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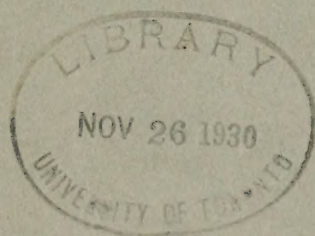
REPORT

OF THE

**BARNES HOSPITAL
SAINT LOUIS**

FOR

1928-1929



FORM OF BEQUEST

I give and bequeath unto the Trustees of Barnes Hospital (now located at Kingshighway and Euclid Avenue, St. Louis, Missouri) and to their successors in trust, the sum of Dollars as a permanent endowment fund,* the income of which shall be used by said Trustees for the support and maintenance of said Hospital.

(See note below)

NOTE.—If real estate is given, use the words, "I give, devise and bequeath," etc. If it is desired to make a gift for a special purpose, describe the purpose fully in place of the words, "as a permanent endowment," etc.

* See pp. 12 and 13.

REPORT
OF THE
BARNES HOSPITAL
SAINT LOUIS
FOR
1928 - 1929

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Report of the Trustees

For the Years 1928 and 1929.

The election of Mr. Rand to the Board of Washington University, we believe, will result in fuller understanding and increased co-operation between the University and Barnes Hospital.

It is gratifying to have physicians from abroad come for post-graduate work and for the study of clinical and hospital methods. The Trustees are glad that there has been arranged a system of exchange by which certain of our staff have an opportunity to go abroad for clinical work.

Dr. E. H. Lehman's appointment as the head of the Department of Surgery at the University of Virginia Medical School; Dr. L. R. Wilson's selection as Superintendent of the John Sealy Hospital at Galveston, Texas; Dr. L. H. Burlingham's election as President of the American Hospital Association, in 1929, give evidence of the wide recognition of Barnes Hospital staff.

The Trustees welcome the innovation of having two additional departments placed on a full-time basis: the Department of Ophthalmology, with Dr. Harvey J. Howard as the head, and the Department of Oto-laryngology, with Dr. Lee W. Dean as the head.

The covering of the River des Peres sewer in Forest Park near the Hospital, which was completed during the period 1928-29 is an improvement of great value to the Hospital in many self-evident respects.

On June 1, 1929, Barnes Hospital sold to Washington University the land at the corner of Euclid and Kingshighway as a site for the Oscar Johnson Institute and the McMillan Hospital.

Perhaps the most important event in the physical history of the Hospital up to the present time occurred during the year 1929 with the beginning of the construction of the Rand-Johnson Memorial Building, which is referred to in detail in the report of the Surgeon-in-Chief elsewhere in this volume.

BARNES HOSPITAL

It is hoped that work done in this new building will be an inspiration to others to supply various needs of the Hospital for additional space in different departments and particularly by increasing the Hospital's present limited endowments.

Increases in the number of pupil nurses in the School of Nursing reflect two important phases of community life: (1) increased number of patients served by the Hospital, and (2) the opportunity to render a fuller service both to the sick and to the medical profession through this medium of highly trained nurses.

The Community Fund is rendering an invaluable service in all this work; and contributions from that source are gratefully received.

The Barnes Hospital Society serves to bring together members of the staff and the Trustees on common ground. Out of these contacts have grown intimate acquaintances and exchange of ideas that are helpful in the development and expansion of this great hospital work.

FRANK C. RAND,
Chairman.

In Memoriam

Minutes on the Death of

Dr. Greenfield Sluder

BE IT RESOLVED, That in the death of Dr. Greenfield Sluder, on October 9, 1928, Barnes Hospital lost a faithful and distinguished member of its staff and the community a valuable citizen. He was a master spirit in his specialty, recognized as such throughout the world, and in the actual relief he rendered, as well as in research investigations which he made, he performed extraordinary service to mankind. His loyalty to Barnes Hospital extended beyond the special field in which he labored and portrayed a genuine devotion to the scope of work of this institution throughout the long period he was connected with it. We lament his death, cherish his memory and will seek to emulate his example.

The Secretary of the Board of Trustees is directed to send a copy of the above resolution to Mrs. Greenfield Sluder, and to publish it in the next copy of the Annual Report of Barnes Hospital.

Passed at the meeting of the Trustees of Barnes Hospital, November 8, 1928.

In Memoriam

Minutes on the Death of

Dr. Greenfield Sluder

In the death of Greenfield Sluder at Barnes Hospital on October 9, 1928, the staff of the Hospital lost one of its original, most loyal and most illustrious members. Since the organization of the Hospital Dr. Sluder had been its Laryngologist-in-Chief. With what great distinction he had served in this capacity is known throughout the world. As a clinician he was a master. As an originator of new conceptions and of new technical methods in his field he occupied a position among the greatest in the world. With his unusual genius he combined also to a rare degree a personality which inspired affectionate devotion from all those who came in contact with him. The memory of a friendship with him will be cherished by hosts of patients, rich and poor, who were so fortunate as to come under his care, and by all his medical colleagues. His enduring monument will be the many new ideas which he created and the large following of younger men who owe their inspiration to him and who will continue to pass on to others the Sluder tradition.

IT IS RESOLVED by the Barnes Hospital Committee, That this memorial be inscribed on its minutes and that a copy be sent to his family, and that it be printed in the Annual Report of the Hospital for 1928.

Financial Report

Comparative Balance Sheet as of December 31, 1929 and 1928

ASSETS		As of	As of
Current Assets:		Dec. 31, 1929	Dec. 31, 1928
Accounts Receivable	\$	11,041.33	\$ 8,742.08
Advances on New Construction (Net).....		2,321.85	.....
Inventory of Drugs and Supplies.....		47,071.00	42,640.60
Total Current Assets.....	\$	60,434.18	\$ 51,382.68
Investments:			
Real Estate	\$	237,500.00	\$ 237,500.00
Stocks and Bonds.....		1,038,678.13	1,036,575.04
Real Estate Notes.....		40,000.00	41,000.00
Deposit in Connection with Stocks, Bonds, etc., Sold		26,264.58	16,838.83
Total Investments	\$	1,342,442.71	\$ 1,331,913.87
Hospital Property and Equipment:			
Land—Building Site	\$	139,844.24	\$ 155,559.68
Deposit in Connection with Cost of Land Sold.....		22,926.61	12,440.32
Hospital and Other Buildings.....		840,795.62	956,480.79
Power Plant Pipe Connections.....		17,362.80	17,362.80
Furniture and Fixtures.....		57,030.61	57,030.61
Total Hospital Property and Equipment (per contra)	\$	1,077,959.88	\$ 1,198,874.20
Self-Liability Insurance Fund—Deposit.....		25,679.44	21,483.80
Deficit, General Fund:			
Balance as at Beginning of Year (Debit)...	\$	97,906.44	\$ 73,512.23
Deficit for the Year.....		469.52	24,394.21
Balance at End of the Year (Debit).....	\$	98,375.96	\$ 97,906.44
Total Assets	\$	2,604,892.17	\$ 2,701,560.99

LIABILITIES		As of	As of
Current Liabilities:		Dec. 31, 1929	Dec. 31, 1928
Bank Overdraft (Net).....	\$	12,521.66	\$ 14,626.33
Accounts Payable (Washington University) ..		16,468.32	33,776.00
Accounts Payable, Others.....		17,731.75	37,454.40
Rents Paid in Advance.....		225.00	200.00
Unexpended Balances in Special Funds.....		2,778.35	2,361.00
Total Current Liabilities.....	\$	49,725.08	\$ 88,418.42

BARNES HOSPITAL

Endowment Fund Reserves:	As of	As of
Productive Endowments:	Dec. 31, 1929	Dec. 31, 1928
Robert A. Barnes.....	\$ 866,205.24	\$ 866,205.24
Paul Brown	100,000.00	100,000.00
Eliza Brookings Memorial Fund.....	100,000.00	100,000.00
Edgar E. Rand—Donation of Helen O. Rand in Memory of Her Brother.....	25,000.00	25,000.00
Eliza McMillan	20,000.00	20,000.00
Milton J. Moore.....	13,200.00	13,200.00
Daniel and Elizabeth Kuhn.....	10,000.00	10,000.00
John Wyeth	3,000.00	3,000.00
G. M. Taylor.....	1,000.00	1,000.00
Sol Lande	1,000.00	1,000.00
W. V. Scholz.....	1,000.00	1,000.00
Social Service	1,000.00	1,000.00
James W. Lee Memorial Fund.....	1,843.00	1,741.39
Total Endowment Fund Reserve.....	\$1,143,248.24	\$1,143,146.63
Hospital Property and Equipment Reserves:		
Barnes Endowment of Hospital Property and Equipment	\$1,198,874.20	\$1,198,874.20
Less: Surgical Ward Building Razed.....	120,914.32	
	\$1,077,959.88	
Reserves:		
Renewals of Furniture, Fixtures and Equip- ment	\$ 52,162.60	\$ 52,162.60
Depreciation of Hospital Property.....	107,956.27	105,225.05
Liability Insurance Contingency.....	25,679.44	21,483.80
Profit or Losses on Sales of Stocks and Bonds	65,980.47	66,545.63
Profit or Losses on Sales of Land.....	82,180.19	25,704.66
Total Reserves	\$ 333,958.97	\$ 271,121.74
Total Liabilities	\$2,604,892.17	\$2,701,560.99

Comparative Income and Expenditure Account for the Years Ended December 31, 1929 and 1928

	Year Ended Dec. 31, 1929	Year Ended Dec. 31, 1928
Total Patient Days.....	84,307	82,946
Income:		
Patients' Room and Board.....	\$ 274,811.18	\$ 264,681.03
Operating Room	37,820.08	37,138.51
Special Nurses' Board	18,818.75	17,487.64
Steward's Department	84,099.72	76,275.34
Drugs	2,041.20	2,041.20
Laundry	30,990.82	32,869.67
Ambulance Service	253.00	279.00
Lodging	3,444.24	3,547.44
Anaesthesia Course	720.00	529.00
Bank Interest	342.68	272.70
Total Income	\$ 453,341.67	435,121.53

FINANCIAL REPORT

Expenditures:	Year Ended Dec. 31, 1929	Year Ended Dec. 31, 1928
Administration Expense:		
Salaries	\$ 26,138.95	\$ 28,966.94
Printing, Postage, and Office Supplies.....	6,115.18	7,249.32
Telephones	8,228.33	8,254.16
Total Administration Expense.....	\$ 40,482.46	\$ 44,470.42
Professional Care of Patients:		
Medical and Surgical Supplies.....	\$ 41,548.05	\$ 35,393.54
Drugs	11,066.25	15,453.82
Nursing	194,850.13	181,126.69
Total Professional Care of Patients....	\$ 247,464.43	\$ 231,974.05
Departmental Expense:		
Housekeeping	\$ 45,825.84	\$ 57,185.88
Linen and Bedding.....	8,337.17	13,295.34
Kitchen	15,130.97	16,052.13
Laundry	28,060.49	26,218.93
Total Departmental Expense.....	\$ 97,354.47	\$ 112,752.22
Commissaries	\$ 131,365.46	\$ 118,907.77
General House and Property Expense:		
Heat, Light and Power.....	\$ 35,108.07	\$ 34,223.83
Gas	2,545.88	2,867.80
Grounds and Buildings		4,698.00
Repairs	1,390.29	1,335.02
Water	1,881.66	1,832.69
Taxes	2,618.83	2,509.61
Total General House and Property Expense	\$ 78,196.61	\$ 84,465.32
Depreciation:		
Hospital Buildings	\$ 14,347.20	\$ 14,347.20
Laundry Equipment	1,080.00	1,080.00
Total Depreciation	\$ 15,427.20	\$ 15,427.20
Total Expenditures	\$ 610,290.63	\$ 607,997.04
Net Deficit	\$ 156,948.96	\$ 172,875.51

Statement of All Income and Expenditures for the Years Ended December 31, 1929 and 1928

	Year Ended Dec. 31, 1929	Year Ended Dec. 31, 1928
General Fund:		
Deficit from Operations.....	\$ 156,948.96	\$ 172,875.51
Non-Operating Income:		
Income from Real Estate (Net).....	16,648.90	15,167.79
Dividends from Stocks and Bonds.....	67,220.25	60,723.16
Interest on Notes and Sundries.....	3,757.06	2,312.01
Total	\$ 87,626.21	\$ 78,202.96
Less Sundry Expenses in connection with Endowment	2,238.16	1,776.27
Net Income from Investments.....	\$ 85,388.05	\$ 76,426.69

BARNES HOSPITAL

Donations Received:	Year Ended Dec. 31, 1929	Year Ended Dec. 31, 1928
Kennard Estate	\$ 500.00	\$ 500.00
Hospital Saturday and Sunday Association..	8,930.44	8,434.40
Miscellaneous	32.25	17.00
Total Donations	\$ 9,462.69	\$ 8,951.40
Total General Non-Operating Income.....	\$ 94,850.74	\$ 85,378.09
Excess of Expenditures over Income for the Year	62,098.22	87,497.42
Contribution from Community Fund.....	48,932.72	63,306.09
	\$ 13,165.50	\$ 24,191.33
Deduct Reserve for Depreciation of Building Razed During Year.....	\$ 12,695.98	.....
Adjustment Affecting Prior Years.....	\$	202.88
Net Amount for Year to the General Fund	\$ 469.52	\$ 24,394.21
General Fund at December 31.....	97,906.44	73,512.23
	\$ 98,375.96	\$ 97,906.44

Real Estate Owned

(LEDGER VALUE)

City Block	Location	Book Value Dec. 31, 1929	Book Value Dec. 31, 1928
56	313 South Second Street.....	\$ 3,500.00	\$ 3,500.00
64	419-21 North Second Street.....	15,000.00	15,000.00
65	527 North Second Street.....	10,000.00	10,000.00
106	Broadway and Spruce Streets.....	185,000.00	185,000.00
312	Broadway and Wright Streets.....	24,000.00	24,000.00
		\$ 237,500.00	\$ 237,500.00

Stocks and Bonds

(LEDGER VALUE)

STOCKS	Book Value Dec. 31, 1929	Book Value Dec. 31, 1928
American Sugar Refining Company, Preferred..	\$ 4,956.00	\$ 4,956.00
Atchison, Topeka & Santa Fe Railroad, Pref'd..	10,000.00	10,000.00
Baltimore & Ohio Railroad, Preferred.....	17,307.50	17,307.50
British-American Tobacco Company.....	103,780.00	103,780.00
First National Bank in St. Louis.....	100,502.40	100,502.40
International Shoe Company, Preferred.....	104,778.50	104,778.50
Mercantile Trust Company.....	73,290.00	73,290.00
Mercantile-Commerce Bank and Trust Company..	60,690.00	.....
Mercantile Liquidating Company .....		.....
Mississippi Valley Trust Company.....	118,080.00	118,080.00
Mississippi Valley-Merchants State Trust Co...	99,630.00	.....
Fourth and Pine Company.....		.....
J. C. Penney, Preferred.....	153,421.25	103,911.25
Pet Milk Company, Preferred.....	10,280.00	10,280.00

FINANCIAL REPORT

	Book Value Dec. 31, 1929	Book Value Dec. 31, 1928
Rice-Stix Dry Goods Company, First Preferred..\$	11,200.00	\$ 11,200.00
Southwestern Bell Telephone Company, Pref'd..	42,140.50	42,140.50
Title Guaranty Trust Company.....	11,300.00	11,300.00
United States Steel Company, Preferred.....	11,950.00	11,950.00
Union Pacific Railroad Company, Preferred.....	8,437.50	8,437.50
Union Electric Light and Power Co., Preferred..	25,000.00	25,000.00
	<u>\$ 775,373.65</u>	<u>\$ 756,913.65</u>

BONDS

	Book Value Dec. 31, 1929	Book Value Dec. 31, 1928
Amarillo Hotel Company.....\$	5,073.44	\$ 5,073.44
Buckingham Realty Company.....	4,987.50	4,987.50
Corno Mills	4,975.00	4,975.00
County of Coahoma, Mississippi (sold during 1929)		15,600.00
County of Harrison, Texas.....	15,000.00	15,000.00
County of Jackson, Arkansas.....	4,900.00	4,900.00
County of Scott, Missouri.....	5,181.25	5,181.25
Dallas Telephone Company	925.00	925.00
Franklin Motor Car Co. (Interim Certificate)...		5,000.00
Oliver Cadillac Building Company.....	5,000.00	.....
J. C. Hills	5,000.00	5,000.00
Houston Terminal Warehouse and Cold Storage Company	14,962.50	14,962.50
Houston Belt and Terminal Railroad Company..	9,000.00	9,000.00
Iowa State College Memorial Union.....	10,000.00	10,000.00
Jewelers Building of Chicago.....	9,975.00	9,975.00
Jaynor Realty Company.....		4,017.40
Kentucky & Indiana Terminal Railroad Co.....	3,601.21	3,601.21
Mortgage Guaranty Company.....	34,850.04	37,597.80
Mississippi County, Missouri.....	10,325.00	10,325.00
Monogram Realty Company.....	9,975.00	9,975.00
Prudence Company	9,975.00	9,975.00
Pacific Power and Light Company.....	4,600.00	4,600.00
State Randolph Building Corporation.....	9,725.00	9,725.00
St. Charles Hotel.....	9,975.00	9,975.00
Telephone Garage Building.....	9,975.00	9,975.00
Texarkana & Fort Smith Railway.....	10,050.00	10,050.00
United States Government Liberty Loan Bonds, 4¼%, due 1938.....	40,248.54	34,240.29
Spivey Building	9,950.00	9,950.00
Travis Investment Company	5,075.00	5,075.00
Total Bonds	<u>\$ 263,304.48</u>	<u>\$ 279,661.39</u>

Real Estate Notes:

Samuel S. and Rose Sterneck.....\$	14,000.00	\$ 14,000.00
William M. and Margaret Stites and Ralph and Margaret Townsend	14,000.00	15,000.00
Godfrey A. and Lydia Anderson.....	12,000.00	12,000.00

Total Real Estate Notes.....\$	40,000.00	\$ 41,000.00
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Total Investments	\$1,078,678.13	\$1,077,575.04
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Endowments

A contribution to the Endowment Fund entitles the donor to the following privileges, according to the amount of the gift:

\$1,000.00 entitles the donor to nominate one patient per year to a bed in the general wards. The contribution will be acknowledged on a tablet in the main corridor of the Hospital.

\$5,000.00 entitles the donor to nominate three patients per year to a bed in the general wards. The contribution will be acknowledged on a tablet in the main corridor of the Hospital.

\$10,000.00 entitles the donor to name a bed in the general wards which shall remain as a perpetual memorial with memorial plate on bed and privilege of nominating a patient to this bed during the life of the donor.

\$15,000.00 entitles the donor to name a bed in the general wards which shall remain as a perpetual memorial with memorial plate on bed and privilege of nominating a patient to this bed during the life of the donor and one successor.

\$15,000.00 entitles the donor to name a room off the wards which shall remain as a perpetual memorial with bronze memorial plate on door without privilege of occupancy.

\$20,000.00 entitles the donor to name a room off the wards which shall remain as a perpetual memorial with bronze memorial plate on door and privilege of nominating a patient to this room or to a bed in the general wards during the life of the donor.

\$25,000.00 entitles the donor to name a ward of two to four beds, which shall remain as a perpetual memorial with bronze memorial plate on door and privilege of nominating a patient to a bed in the wards or to a room off the wards during the life of the donor and one successor.

\$30,000.00 entitles the donor to name a room in the Private Pavilion which shall remain as a perpetual memorial with bronze memorial plate on door and privilege of nominating a patient to this room or to a bed in the general wards during the life of the donor and one successor.

\$100,000.00 entitles the donor to name a ward which shall remain as a perpetual memorial with bronze memorial plate at

ENDOWMENTS

ward entrance with privilege of nominating a patient for occupancy or to a bed in the Private Pavilion during the life of the donor and one successor.

Every endowment will be acknowledged in the annual report and on a tablet in the main corridor of the Hospital. The occupancy of all the beds shall be subject to the approval of the Trustees and Rules of the Hospital. Special arrangements will be made for corporations and societies.

Report of the Superintendent

For the Years 1928 and 1929

The trends of the census and service rendered by Barnes Hospital during the past few years are somewhat unusual and cannot be understood without a brief explanation.

As stated in our previous report, with the opening of the St. Louis Maternity Hospital on August 15, 1927, Barnes Hospital ceased to receive maternity patients, so that about 40 beds were no longer required for this service, and were available for patients of other classifications. This condition was in effect for four and one-half months in 1927 and was reflected in a drop from 86,749 days of service in 1926 to 83,552 days of service in 1927 and a drop in the daily average number of patients from 237 to 1926 to 229 in 1927.

During the whole of the year 1928 Barnes Hospital admitted no maternity cases, nevertheless Barnes Hospital received 14 more patients and furnished within .7 of one per cent as many days of service as in 1927. This is really an increase of almost 17 per cent in one year. In 1929, on June 1st, the Surgical Pavilion was closed to permit the erection of the Rand-Johnson Memorial Building on the site of that building. Locations were found for the surgical ward and semi-private patients in other parts of the Hospital and four porches were glassed in, so that the total number of beds in the Hospital was reduced from 300 to 270. In spite of this 10 per cent reduction in capacity for six months of the year, there was an increase over the previous year (1928) in the number of days of service from 82,946 to 84,307; the number of patients from 5,908 to 6,025, and daily average from 227 to 231. The average stay in the Hospital was decreased from 14.04 to 13.6 days. The number of patients admitted is the greatest we have ever received in any one year and the average stay in the Hospital is shorter, so that during this year two records were established.

The Community Fund "Come and See" program was continued. The organizations participating in 1928 were the University City Kiwanis and the downtown Kiwanis, and in 1929

REPORT OF SUPERINTENDENT

the Commercial Association of the Community Fund, which is composed of executives of business establishments having more than 150 employees, the Northside Optimist Club and the Webster Groves Rotary Club. These organizations were taken on a tour of inspection of the Hospital following luncheon. None of the Hospital funds were used for the entertainment of these groups, as the expenses were met by outside funds.

During 1929 the Board of Religious Organizations sewed 5,480 pieces for Barnes Hospital.

On June 15, 1928, Miss Laura Hornback, who had been Executive Assistant since November 15, 1926, resigned to accept the superintendency of the Pike County Hospital at Louisiana, Missouri. She was succeeded by Miss Cornelia Sasse and the position left vacant by Miss Sasse was filled by Miss Lola V. Breitenstein.

On November 1, 1928, Dr. L. R. Wilson, who was interne in Barnes Hospital during 1920-21 and Assistant Superintendent from that time until his resignation, a period of seven years, went to Galveston, Texas, to become the Superintendent of the John Sealy Hospital. His position was filled by Dr. Frank R. Bradley, a graduate of Washington University Medical School, in June, 1928, who had been on the staff of the United States Veterans Hospital at Jefferson Barracks during the intervening period.

On May 15, 1929, Miss Lucille Larsen resigned as Chief Anaesthetist to be married. She was succeeded by Miss Helen Lamb, who comes to the Hospital from the School of Anaesthesia at Lakeside Hospital, Cleveland, where she was an instructor.

In previous years we have arrived at a figure which we consider of interest by obtaining the difference between the actual receipts from ward patients and the cost of their care. This amount divided by the per capita cost shows the number of days of free service given. The figures are as follows:

Year	Loss Due to Ward Patients	Days Free Service	Average Patients Per Day
1925.....	\$209,650.24	37,040	102
1926.....	208,061.87	37,624	103
1927.....	217,799.95	37,944	104
1928.....	224,428.81	37,467	102
1929.....	220,838.53	37,752	104

BARNES HOSPITAL

The Hospital is now at a period in its existence where much of the equipment has been used all or more than its expected life, and constant replacements are necessary and are being made.

It is with deep regret that we record on March 1, 1929, the death from pneumonia, in Barnes Hospital, of Mr. James W. Dougherty, who was in charge of our laundry from January 28, 1925. He was succeeded by Mr. Robert F. Kelley.

Rev. Father Wilbur, who for many years had visited the Catholic patients in the Hospital, discontinued this service in October, 1928, when he was transferred to a new parish, and has been succeeded by Rev. Father Hyland.

We are glad at this time to express our appreciation of the co-operation and help we have received from the Trustees and the Staff, and the faithful service of the School of Nursing and the personnel of the Hospital.

LOUIS H. BURLINGHAM, M.D.,
Superintendent.

Nationality of Patients

	1929	1928
Alsace-Lorraine	1	0
American	5,445	5,341
Armenian	3	6
Australian	4	0
Austrian	43	35
Belgian	1	0
Bohemian	8	7
Bulgarian	1	4
Canadian	24	28
Chinese	5	4
Czecho-Slovakian	3	0
Danish	2	8
Dutch	1	2
English	39	27
European	3	8
Filipino	1	0
French	13	11
German	126	111
Greek	15	22
Hawaiian	1	0
Hindu	1	0
Hungarian	23	26
Irish	22	26
Italian	77	72
Japanese	2	2
Jugo-Slavian	7	0
Lithuanian	4	4
Mexican	10	8
Norwegian	1	3
Polish	18	31
Roumanian	5	9
Russian	71	70
Scotch	20	5
Servian	1	0

BARNES HOSPITAL

	1929	1928
Sicilian	1	2
South American	2	0
Spanish	0	6
Swedish	2	12
Swiss	11	11
Turk	5	5
Welsh	2	1
West Indian	1	1
	6,025	5,908

Religion of Patients

	1929	1928
Adventist	5	9
Apostolic	0	1
Baptist	880	895
Buddhist	2	2
Catholic	988	986
Christian Church	268	232
Christian Orthodox	1	0
Christian Science	33	45
Church of Christ	6	5
Church of God	4	21
Confucian	1	0
Congregational	66	70
Disciples of Christ	1	0
Divine Science	1	10
Episcopalian	208	191
Ethical Society	0	2
Evangelical	183	201
Evangelical Lutheran	2	0
Friends (Quakers)	1	4
Greek	0	8
Greek Orthodox	12	0
Holiness	4	5
Holy Roller	1	0
Jews	192	215
Latter-Day Saints	3	10
Lutheran	230	258
Menonite	1	0
Methodist	1,124	1,209
Mohammedan	1	1
Nazarene	0	9
Non-Sectarian	396	367
Orthodox	12	20
Pentecostal	16	22
Plymouth Brethren	2	0

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	1929	1928
Presbyterian	445	507
Protestant	921	559
Reformed Church	1	1
Salem Reformed	1	0
Salvation Army	1	0
Salvators	0	1
Sanctified	1	9
Spiritualist	2	1
Unitarian	8	27
United Brethren	1	0
Universalist	0	5
	6,025	5,908

Summary of Work Done

	1929	1928
Total Patients in Hospital at Beginning..	171	163
Total Patients Admitted During Year....	6,025	5,908
Total Patients Treated During Year.....	6,169	6,071
Total Patients Discharged During Year..	6,017	5,900
Total Patients in Hospital End of Year..	179	171
Total Free Patient Days.....	19,139	18,807
Total Part Pay Patient Days.....	7,373	7,375
Total Pay Patient Days.....	57,795	56,764
Total Patient Days	84,307	82,946
Average Patients Per Day in Hospital....	231	227
Average Days Per Patient in Hospital....	13.6	14.04
Percentage Ward Days.....	.845	.843
Percentage Private Room Days	.155	.157
Percentage Pay Days	.773	.773
Percentage Free Days	.227	.227
Average Daily Patients Boarded.....	231	227
Average Daily Employees and Nurses— Barnes, Children's and Maternity Hos- pitals	563	536
Average Cost Per Patient Per Day.....	5.85	5.99

Comparative Statistics

From the Opening of the Hospital Through 1929

Year	Total No. Patients Admitted	Total Days Service	Total Days Free Service	Average Daily Census	Average Stay in Hospital	Operating Expenses	Operating Receipts	Deficit	Cost Per Patient Per Day
1915	1,980	36,622	8,360	94	18.5	\$115,683.92	\$ 64,837.13	\$ 38,005.25	\$3.00
1916	2,383	42,428	11,074	115	17.8	141,644.89	76,132.64	46,460.25	3.34
1917	2,622	50,771	12,845	136	19.3	170,012.44	98,354.98	51,096.20	3.35
1918	3,734	56,695	14,230	154	15.2	200,809.61	122,361.32	52,957.54	3.54
1919	3,478	53,132	13,336	146	15.2	235,924.89	135,660.27	70,488.69	4.44
1920	3,501	54,118	11,094	147	15.5	319,637.64	179,194.27	81,578.25	5.49
*1921	3,537	53,779	11,831	161	15.2	335,391.03	179,677.45	100,422.50	5.75
1922	4,095	59,696	10,223	163	14.6	385,511.35	206,081.30	92,594.94	5.56
1923	4,550	70,129	13,114	192	15.4	448,084.41	237,782.32	108,346.15	5.46
**1924	5,770	81,561	19,850	205	14.1	548,830.17	256,449.08	171,920.71	5.77
1925	5,224	80,230	17,404	220	15.4	528,221.09	257,247.43	152,894.43	5.66
1926	5,853	86,749	14,603	237	14.8	559,824.33	286,302.29	146,237.17	5.53
1927	5,892	83,552	16,003	229	14.2	562,655.58	272,468.37	152,325.41	5.74
1928	5,908	82,946	18,807	227	14.0	607,997.01	435,121.53	172,875.51	5.99
1929	6,025	84,307	19,139	231	13.6	610,290.63	453,341.67	156,948.96	5.85

*1921—11 months.

**1924—13 months.

Report of the Medical Service

During 1928 several changes occurred in the personnel of the Medical Service. Dr. Francis Smith, who had been a member of the full-time staff since the reorganization in 1924, left to take a position as physician to the Scripps Metabolic Clinic at La Jolla, California. His place in the Heart Station was taken by Dr. W. B. Kountz, a graduate of Washington University and a former house officer of Barnes Hospital. Two other additions were made to the full-time staff. Dr. Leon Bromberg, a graduate of Vanderbilt University and later house officer at Bellevue and resident physician at Barnes Hospital, was appointed in September, 1928. The appointment of Dr. Byron Francis, also a former house officer at Barnes Hospital, was made possible by special arrangement with the Chest Service. His work during the year has accomplished a much closer correlation between the Medical Service and Dr. Graham's rapidly growing and most important clinic in chest surgery.

To the Director of the Medical Service it is a source of great pleasure that the three men who have been added to the full-time staff during this year were former house officers or resident physicians of Barnes Hospital and had received much of their inspiration and training in this institution. The situation may be favorably compared with that existing four years ago, when it was practically necessary to fill these staff positions with men from other hospitals and schools.

During the summer Dr. John Lawrence, who has been associated with the Medical Department since 1925, made an intensive survey of the dispensaries of the medical centers in Chicago and all of the more important Eastern cities. In the past ten years great advances have been taking place in the field of dispensary development. Our out-patient clinics, which at the time of their organization were regarded as models, now require thorough revision and sweeping changes to bring them into line with the best modern trend. It is a matter of great interest and importance to the Hospital that Dr. Lawrence has been made Medical Director of the Dispensary. It is not al-

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ways realized how much a hospital must depend upon its outpatient clinics and how greatly the character of these clinics may influence its development. Dr. Lawrence's broad interest and thorough grasp of the situation should insure in the near future changes and developments of great significance to the Hospital. He has recently prepared a report which compares our status with that of other great medical centers and which contains constructive suggestions and plans to meet our own problem.

The Friday morning clinical conferences have been continued with an ever increasing attendance, composed not only of the members of the staff of the associated hospitals, but also of a considerable number of outside physicians who have been attracted by the programs. Furnishing, as they do, an open forum for free discussion and exchange of opinion, they have been a constant stimulus for more complete study and clinical investigation. As an outgrowth of these weekly conferences, plans have been made for a new publication to be known as "Washington University Clinics," which is to be printed monthly in the Journal of the Missouri Medical Association, an arrangement made possible through the co-operation and enthusiasm of Dr. Edwin Goodwin, editor of the Journal. It will include not only important cases presented at the Friday Morning Clinical Conference, but also a few of the most significant autopsied cases as well as descriptions of new diagnostic and therapeutic procedures. It is hoped that it will provide for Barnes Hospital a ready means of presenting some of the most important clinical work which is always in progress and of making the aims of the institution better known among the medical practitioners of the district. It has been arranged that all of these reports are to be indexed in the Quarterly Cumulative Index, which will incorporate them as a part of the permanent record of medical literature and will assure their recognition and their availability to physicians outside of the state and district.

An expansion of the work of the Medical Service has taken place with the organization of a post-graduate course in internal medicine and diagnosis. This was arranged for a period of four weeks in May and was attended by men from ten different states and by one physician from Australia. The va-

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riety of expert opinion and the great number of special teachers working in the Medical Service made the course of unusual interest to the visiting doctors.

Another phase of post-graduate instruction was attempted. During the first part of the summer, Dr. John Lawrence conducted an extension course in internal medicine in the state of North Carolina. Dr. Lawrence Thompson did similar work in the states of Kansas and Oklahoma. It is believed that this type of instruction is of the utmost importance, particularly because it brings a view of modern methods in medicine to practitioners who are too busy and rushed to leave their work for courses in distant cities. It is also advantageous in extending the influence as well as the reputation and prestige of Barnes Hospital.

Arrangements have been completed for an exchange of house officers between the East London Hospital for Children and the Barnes Hospital. This is an important innovation which was brought about in a most interesting manner. Dr. Geoffrey Bourne, a visiting physician of St. Bartholomew's Hospital and of the East London Hospital for Children, came to St. Louis in 1927 to study with Dr. Joseph Erlanger in the Department of Physiology. Being interested in cardiology, he spent part of his time in Barnes Hospital. He found his sojourn here so pleasant and profitable that he conceived the desire for an arrangement by which one of the men from the East London Hospital could come here each year in exchange for one of the house physicians of Barnes Hospital. Fortunately, he has been able to arrange with the Board of Governors of his hospital to supply salary and living for the representative of Barnes Hospital while he is in England. Traveling expenses are to be defrayed through the generosity of Mr. Fred Godber of the Roxana Petroleum Corporation. On the other hand, the salary and maintenance of the young Englishman who is to come to Barnes Hospital will be supplied by Washington University.

This is perhaps the first time that such an arrangement has been made between an American and an English hospital. While many of our young men have studied with great profit in English hospitals, comparatively few Englishmen have come to this country for instruction. We know of no previous instance in

which an important English hospital has offered special inducements to effect such an exchange. It may be considered an index of the growing interest which the English are taking in great American institutions such as Barnes Hospital and of the increasing respect with which they are regarding our medical developments.

The research of the Medical Service has continued to expand. Dr. Kountz has devised a beautiful method for producing in animals a condition of emphysema which opens up an entirely new field in the experimental study of pulmonary circulation and pressure relations. He has also made, with Dr. Alexander, some admirable studies of clinical emphysema and has been able to show, by observation both at the bedside and at the autopsy table, that, contrary to common belief, the heart is not enlarged or diseased in emphysema. This follows the work which was previously done by Drs. Alexander, Luten and Kountz in the study of asthma. Dr. Kountz has also completed an investigation on the innervation controlling bronchial secretion, a question which had never previously been answered and which is of clinical importance in the study of asthma.

Dr. Alexander's book on asthma has been published by Lea & Febiger and is at present the most authoritative account of the disease in the English language. He is continuing his extremely interesting pioneer work on urticaria and its relation to the histamine reaction.

Dr. Duden has been studying the intradermal salt test in fever and finds a sharp line of demarcation between fevers of bacterial or foreign protein origin and those which are produced by external factors such as hot baths.

Dr. Ronzoni's laboratory has been very active in the continuance of her investigations of the intermediary carbohydrate metabolism. By means of a correlation of chemical and gasometric studies she has shown a quantitative and possibly a qualitative difference between the metabolism of smooth and striated muscle. She has added new facts concerning the action of amylase, particularly in relation to the carbohydrate changes in muscle. She has also made a most detailed study of the phosphate changes in muscle and in yeast and their relations to the formation and disappearance of hexosephosphate.

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Dr. Olmsted, with Dr. Grove and Mr. Parker of the senior class, have continued the study of the organic acids in stools and are successfully adapting methods for the investigation of individual acids such as formic and lactic acid.

Dr. Bulger, besides continuing his work on the poisonous action of white snakeroot, has been studying, with Mr. Henry Dixon, the metabolism in bone diseases. This investigation was started by the detailed study of an extraordinary woman who presented the clinical features of osteomalacia, multiple bone tumors, hypotonicity of muscles, urinary calculi, hypercalcemia and an abnormal urinary excretion of calcium. In this patient a parathyroid tumor was found and removed. To the condition presented by this unfortunate patient the name of hyperparathyroidism has been applied. In the literature similar cases have been reported under a great variety of diagnoses. The description of this case, therefore, does not constitute in a strict sense the discovery of a new disease. On the other hand it may be said that the study of this patient led to the first complete description of the clinical condition. In Dr. Bulger's investigation the effect of many therapeutic agents upon the calcium balance have been tried in this patient and in other patients with somewhat related conditions.

During the instruction in internal medicine in the wards of Barnes Hospital each student is required to present a thesis. It is a matter of pleasure to announce that some of these have been of high order, are a credit to the Hospital and constitute a tangible evidence of the splendid way in which the wards of Barnes Hospital lend themselves in the teaching of students. Several of these papers have been published. Special mention may be made of the study of familial incidence of allergy made by Dr. Abigail E. Smith.

A list of publications of the Medical Service during the year 1928 is appended.

PUBLICATIONS

Alexander, Harry Louis

- (1) (With W. B. Kountz) Pathological Findings in Bronchial Asthma. Arch. Path. and Lab. Med., 1928, Vol. V:1003.

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- (2) (With F. M. Smith and J. S. Harter) Observations on the Circulation of Guinea Pigs during Bronchospasm. *Proc. Soc. Exp. Biol. and Med.*, 1928, Vol. XXV:803.
- (3) Variability in Distribution of Allergic Skin Response. *Proc. Soc. Exp. Biol. and Med.*, 1928, Vol. XXV:800.
- (4) Bronchial Asthma. Lea & Febiger, 1928.

Barr, David Preswick

- (1) The Relation of the Internist and Practitioner to the Cancer Problem. *So. Med. J.*, 1928, Vol. XXI:1014.
- (2) The Significance of Certain Abnormalities of Respiration. Interstate Post-Graduate Assembly, 1928.
- (3) Chronic Arthritis. Interstate Post-Graduate Assembly, 1928.
- (4) The Medical Management of Thyrotoxicosis. *Weekly Bull. St. Louis Med. Soc.*, 1928, Vol. XXII:461.
- (5) Exercise in Cardiac Disease. *J. A. M. A.*, 1928, Vol. XCI:1354.
- (6) (With Ethel Ronzoni and Jerome Glaser) Studies of the Inhibitory Action of an Extract of Pancreas upon Glycolysis.
 - (a) Effect of Pancreatic Inhibitor on the Glycolysis of Muscle Tissue and Muscle Extract. *J. Biol. Chem.*, 1928, Vol. LXXX:309.
 - (b) Effect of the Inhibitor upon the Glycolysis of Malignant Tumors. *J. Biol. Chem.*, 1928, Vol. LXXX:331.
- (7) (With H. A. Bulger and F. M. Smith) Metabolic Disturbances in White Snake Root Poisoning. *J. Clin. Invest.*, 1928, Vol. VI:12.

Bulger, Harold Aten

- (1) Studies of the Chemical Mechanism of Hydrochloric Acid Secretion:
 - (a) (With C. M. Stroud and M. L. Heideman) Electrolyte Variations in Human Gastric Juice. *J. Clin. Invest.*, 1928, Vol. V:547.
 - (b) (With Duff Allen and L. B. Harrison) Observations on the Blood Passing through the Stomach of Dogs. *J. Clin. Invest.*, 1928, Vol. V:561.

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(2) (With F. M. Smith and D. P. Barr) Metabolic Disturbances in White Snake Root Poisoning. *J. Clin. Invest.*, Vol. VI:12.

(3) (With F. M. Smith and Arline Steinmeyer) Milk Sickness and the Metabolic Disturbances in White Snake Root Poisoning. *J. A. M. A.*, 1928, Vol. XCI:1964.

Cady, Lee D.

Diagnosis of Sporadic Infectious Mononucleosis. *Am. J. Med. Sci.*, 1928, Vol. CLXXV:527.

Ewerhardt, Frank H.

(1) Physiotherapy in the Treatment of Painful Shoulders. *J. A. M. A.*, 1928, Vol. XXVIII:649.

(2) Diathermy in Joint Injury. *J. A. M. A.*, 1928, Vol. LXXXV:1111.

(3) Symposium of Back Strain. *Weekly Bul. St. L. Med. Soc.*, 1928, Vol. XXII:357.

Glaser, Jerome

(1) (With D. P. Barr and E. Ronzoni) Studies of the Inhibitory Action of an Extract of Pancreas upon Glycolysis. *J. Biol. Chem.*, 1928, Vol. VIII:309.

Gorham, Frank D.

(1) (With C. M. Stroud and M. Huffman) Total Chloride Concentration and Acidity of the Gastric Contents. *Arch. Int. Med.*, 1928, Vol. XLII:106.

Harter, Lee B.

(1) (With H. L. Alexander and F. M. Smith) Observations on the Circulation of Guinea Pigs during Bronchospasm. *Proc. Soc. Exp. Biol. and Med.*, 1928, Vol. XXV:803.

Harrison, Lee B.

(1) (With H. A. Bulger and Duff Allen) Studies of the Chemical Mechanism of Hydrochloric Acid Secretion. II. Observations on the Blood Passing through the Stomach of Dogs. *J. Clin. Invest.*, 1928, Vol. V:561.

Heideman, Milo L.

(1) (With C. M. Stroud and H. A. Bulger) Studies of the Chemical Mechanism of Hydrochloric Acid Secretions.

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I. Electrolyte Variations in Human Gastric Juice. J. Clin. Invest., 1928, Vol. V:547.

Huffman, M.

(1) (With F. D. Gorham and C. M. Stroud) Total Chloride Concentration and Acidity of the Gastric Contents. Arch. Int. Med., 1928, Vol. XLII:106.

Larimore, Joseph W.

(1) Roentgenology of the Colon. Its Value in Clinical Medicine. Am. Jr. Roent. and Rad. Ther., 1928, Vol. XX:101.

Olmsted, William H.

(1) Education of Ambulatory Diabetic. J. Am. Diet. Assn., 1928.

(2) Dietetic Management of the Diabetic in the Doctor's Office. Annals Int. Med., 1928, Vol. II:325.

(3) Observations on the Volatile Fatty Acids of Normal Stools. Trans. Assn. of Amer. Phys., 1928, Vol. XLIII:321.

Ronzoni, Ethel

(1) (With D. P. Barr and Jerome Glaser) Studies of the Inhibitory Action of an Extract of Pancreas upon Glycolysis:

(a) The Effect of Pancreatic Inhibitor on the Glycolysis of Muscle Tissue and Muscle Extract. J. Biol. Chem., 1928, Vol. LXXX:309.

(b) Effect of the Inhibitor upon the Glycolysis of Malignant Tumors. J. Biol. Chem., 1928, Vol. LXXX:331.

(2) Inhibition of Lactic Acid Formation in Muscle by Extract of Desiccated Pancreas. Proc. Soc. Exp. Biol. of Med., 1927, Vol. XXV:178.

Singer, Jesse J.

(1) Pulmonary Sporotrichosis: Report of Two Cases. Am. Review of Tuberculosis, 1928, Vol. XVIII:438.

(2) Roentgen Ray Study of Pulmonary Tumors. Arch. Surg., 1928.

Smith, Abigail Eliot

(1) Occurrence of Hypersensitiveness or Allergy in Five

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Generations of One Family. Arch. Int. Med., 1928, Vol. XLI:472.

Smith, Francis M.

- (1) (With H. L. Alexander and J. S. Harter) Observations on the Circulation of Guinea Pigs during Bronchospasm. Soc. Exp. Biol. and Med., 1928, Vol. XXV:803.
- (2) (With H. A. Bulger and A. Steinmeyer) Milk Sickness and the Metabolic Disturbances in White Snake Root Poisoning. J. A. M. A., 1928, Vol. XCI:1964.

Strauss, Arthur E.

- (1) The Dietitian and Out-Patients. Jour. Amer. Diet. Assn., 1928, Vol. III.

Stroud, C. Malone

- (1) (With H. A. Bulger and M. L. Heideman) Studies of the Chemical Mechanism of Hydrochloric Acid Secretion: I. Electrolyte Variations in Human Gastric Juice. J. Clin. Invest., 1928, Vol. V:547.
- (2) (With F. D. Gorham and M. Huffman) Total Chloride Concentration and Acidity of the Gastric Contents. Arch. Int. Med., 1928, Vol. XLII:106.

Several additions to the staff were made in 1929. Dr. Ralph Stewart Muckenfuss, formerly of the Rockefeller Institute, was appointed to take charge of the bacteriological and immunological laboratories. Dr. Julius Jensen, a graduate of the Universities of Copenhagen and London, came from the University of Minnesota to pursue investigations in cardiology and to share with Dr. Luten and Dr. Kountz the responsibility of the Heart Station. Dr. Robert Evans, a former house officer at Barnes Hospital, was appointed to the full-time staff for work with Dr. Larimore in gastro-intestinal diseases, an arrangement which has hastened the establishment of an organized service in this branch of medicine. Dr. Byron Francis resigned at the end of the school year to take a position in the tuberculosis division of the University of Chicago. His place was filled by Dr. Hugh Wilson, a graduate of Washington University and a former house officer on the Surgical Service.

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The year has been marked by some new activities and by steady progress along many of the lines indicated in previous reports.

Dr. Harry Alexander has organized and become the first editor-in-chief of the *Journal of Allergy*. He has also served as president of the Society for the Study of Asthma and Allied Conditions.

Dr. Leon Bromberg has assumed the associate editorship of the *American Journal of Syphilis*.

Dr. Lawrence Thompson has served as the secretary and has been most active in the formation and conduct of the new Central Society for Clinical Research, an organization which has been founded to afford the younger men of the great mid-western section of our country the opportunity to meet annually and present and discuss their investigative problems. The society is certain to have an important influence in the development of medicine of the Middle West.

The Washington University Clinics, projected in 1928, have been edited by Dr. Barr and Dr. Duden and have appeared monthly in the *Journal of the Missouri Medical Association*. Many important and interesting observations have been recorded and much of the more significant clinical work of Barnes Hospital has been brought to the attention of the profession in this district.

The reorganization of the Washington University Dispensary, which has been so well directed by Dr. John Lawrence, has influenced the work of Barnes Hospital in many ways and has resulted in an ever increasing tendency toward unification of the activities of the two institutions. This has been particularly evident in the admission of patients and in the continuity of treatment extended to individuals transferred from one service to the other.

Many of the investigations mentioned in the report of 1928 have been continued. The study of calcium metabolism in bone diseases and particularly in *ostitis fibrosa cystica* has been extended by Dr. Barr and Dr. Bulger. Dr. Alexander has continued his important researches in the nature of *urticaria* and its relation to the response of the skin to histamine. He has succeeded in demonstrating that in the skin there is a sub-

stance which when combined with histamine and other wheal-producing drugs will greatly exaggerate the response obtained by the drug alone. Some of the new phases of the work have been made possible by a grant of \$3,000 from the Barnard Free Skin and Cancer Hospital. With this fund, Dr. Willis K. Weaver, a chemist, was engaged and has been able to show many of the properties of the unknown but powerful substance which Dr. Alexander had found in the skin.

With two students, Mr. Emmett Pearson and Mr. Karl Koenig, Dr. Kountz has been studying the circulation of emphysematous patients and of dogs in which emphysema has been experimentally produced. They have found that the defect in circulation so evident clinically is chiefly due to obstruction to the entrance of blood into the thorax and probably is not attributable in any large part to the circulatory changes in the lungs themselves. It is a matter of good fortune that Dr. C. M. M. Gruber, of the Department of Pharmacology, has been able to do a part of his work in the Department of Medicine. He and Dr. Kountz have studied in detail the effect of the lack of oxygen and of the new drug pitressin (a product of the pituitary gland) on the coronary circulation and the shape of the electrocardiogram and they have been able by a combination of anoxemia and the administration of pitressin to reproduce in animals the Pardee sign which has been considered pathognomonic of coronary occlusion.

Dr. Leon Bromberg has, at the request of Dr. Engman, taken over the active management of the night clinic for the treatment of syphilis and has also established a new laboratory for the experimental study of the disease. It is particularly fortunate that Dr. Jacques Bronfenbrenner, whose researches upon spirochaetae and syphilis are well known, has been able to collaborate with him and direct much of his work. Important progress has already been made in the study of the serological methods in syphilis and in the response of the body to salvarsan.

Dr. Ronzoni has continued her studies on the glycolysis and fermentation of sugar and has investigated the nature of the phosphate esters of muscle and muscle extract.

Dr. Muckenfuss, who at the Rockefeller Institute was closely

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associated with both Dr. Bronfenbrenner and Dr. Thomas Rivers in the study of filterable viruses, has extended his work on vaccine virus. He has also conducted investigations on the differentiation of meningococci.

Dr. Lawrence Thompson has established this year a laboratory for the study of blood diseases and has been following clinically the effect of ergosterol on the blood platelets, an investigation which started with the beautiful observations of the two senior students, Mr. Robert Philips and Mr. Donald Robertson, in the early part of the year.

The publications of the department during 1929 are listed below:

PUBLICATIONS

1929

Alexander, Harry L.

- (1) (With C. H. Eyermann) Allergic Purpura. J. A. M. A., June 22, 1929, Vol. XCII:2092-2094.
- (2) (With F. M. Smith and J. S. Harter) The Effects of Bronchospasm on the Circulation of Guinea Pigs. Am. Jr. Physiol., Vol. XC (No. 3, Nov.), 1929.
- (3) (With Wm. B. Kountz and Donald Dowell) Emphysema Simulating Cardiac Decompensation. J. A. M. A., Nov. 2, 1929, Vol. XCIII:1369-1371.

Barr, David P.

- (1) Rest and Exercise for Patients with Heart Disease. The Trained Nurse and Hospital Review, Vol. LXXXII: 313-316 (No. 3, March), 1929.
- (2) (With H. A. Bulger and H. H. Dixon) Hyperparathyroidism. J. A. M. A., March 13, 1929, Vol. XCII: 951-952.
- (3) (With H. A. Bulger) The Clinical Syndrome of Hyperparathyroidism. Trans. Assn. of Amer. Phys., 1929, Vol. XL:238.
- (4) Congenital Hemihypertrophy and Partial Gigantism. Jr. Mo. State Med. Assn., 1929, Vol. XXVI:335-340.
- (5) General Management of Thyrotoxicosis. Jr. Mo. State Med. Assn., 1929, Vol. XXVI:453-459.

(6) (With Charles W. Duden) Washington University Clinics. Pub. Ovid Bell, Fulton, Mo., 1929.

Bromberg, Leon

(1) Disseminate Erythematous Lupus with Unusual Pulmonary Complication. Jr. Mo. State Med. Assn., 1929, Vol. XXVI:508-510.

(2) Results of Thyroidectomy in Toxic Goitre. Jr. Mo. State Med. Assn., 1929, Vol. XXVI:459-462.

(3) (With Edw. L. Burns) Fatal Fat Metabolism in a Patient Given Salvarsan. Am. Jr. Syphilis, 1929, Vol. XIV, No. 1, 43.

(4) (With Paul Murphy) Agranulocytic Angina Following Prophylactic Typhoid Vaccination. J. A. M. A., 1929, Vol. XCII:1266-1267.

Bulger, Harold Aten.

(1) Gangrene of the Orbit and Nares in Diabetes Mellitus. Jr. Mo. State Med. Assn., 1929, Vol. XXVI:304-305.

(2) (With D. P. Barr) The Clinical Syndrome of Hyperparathyroidism. Trans. Assn. of Amer. Phys., 1929, Vol. XLIV:238.

(3) (With D. P. Barr and Dixon) Hyperparathyroidism. J. A. M. A., 1929, Vol. XCII:951-952.

Cady, Lee D.

(1) (With F. H. Ewerhardt) Febrile Body Temperature as Possible Adjunct Treatment in Wassermann Fast Syphilitic Patients. Am. Jr. Syph., 1929, Vol. XIII:313.

Carr, Archie D.

(1) Modern Methods of Treatment in Neuro-Syphilis. Jr. Mo. State Med. Assn., 1929, Vol. XXVI:391-394.

(2) Oxycephaly. Jr. Mo. State Med. Assn., 1929, Vol. XXVI:398.

Dixon, Henry H.

(1) (With D. P. Barr and H. A. Bulger) Hyperparathyroidism. J. A. M. A., 1929, Vol. XCII:951-952.

Dowell, Donald

(1) (With H. L. Alexander and W. B. Kountz) Em-

physema Simulating Cardiac Decompensation. J. A. M. A., Nov. 2, 1929, Vol. XCIII:1369-1371.

Drews, Leslie C.

(1) (With W. H. Mook) Acanthosis Nigricans. Jr. Mo. State Med. Assn., 1929, Vol. XXVI:510-518.

Duden, Charles William

(1) Myxedema with Cardiac Decompensation and Hypertension which Disappeared under Thyroid Medication. Jr. Mo. State Med. Assn., 1929, Vol. XXVI, W. U. Clinics. No. 1.

(2) (With W. H. Olmsted and W. M. Whitaker) Steam Distillation of the Lower Volatile Fatty Acids from a Saturated Salt Solution. Jour. Bio. Chem., Dec., 1929, Vol. LXXXV, No. 1.

(3) (With W. H. Olmsted, W. M. Whitaker and R. F. Parker) A Method for the Rapid Distillation of the Lower Volatile Fatty Acids from Stools. Jr. Biol. Chem., Dec., 1929, Vol. LXXXV, No. 1.

(4) (With D. P. Barr) Washington University Clinics. Ovid Bell Pub. Co., Fulton, Mo., 1929.

(5) Etiology of Pernicious Anemia. Jr. Mo. State Med. Assn., 1929, Vol. XXVI:18-19.

Eyermann, Charles H.

(1) The Diagnosis of Allergy. Jr. Mo. State Med. Assn., 1929, Vol. XXVI:481-484.

(2) (With H. L. Alexander) Allergic Purpura. J. A. M. A., Vol. XCII:2092-2094.

Francis, Byron F.

(1) Changes in the Shape and Size of the Tracheo-Bronchial Tree Following Stimulation of the Vago-Sympathetic Nerve. Arch. of Surg., Dec., 1929, Vol. XIX:1577-1583.

(2) Small Aneurysm Pressing on Left Bronchus with Complete Collapse of the Lung. Jr. Mo. State Med. Assn., 1929, Vol. XXVI, No. 3.

Goldman, Alfred

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Report of the Surgical Service

The Surgical Service during the years 1928-29 has shown a steady increase in the amount of work done. The report of the Superintendent will show the increased number of patients. The number of operations has also shown a steady increase. For example, in 1928 the number of surgical operations performed in the Barnes Hospital was 4,872 and in 1929 it was 5,245.

Ever since the development of the full-time clinical departments of the medical schools of this country, a movement which has seen its greatest expression since the war, it has been apparent to your Surgeon-in-Chief, as well as to other full-time professors of surgery, that the ward facilities for surgery must be greatly increased over the inadequate number of ward beds which in general were provided in the schemes of development of the medical schools which were in association with teaching hospitals. There are several reasons why it is desirable for purposes of medical education to allot more teaching beds to the Department of Surgery than to the Department of Medicine. In the Department of Medicine a larger amount of profitable instruction can be carried out in the Out-Patient Department and also a larger amount can be carried out in the daily observation of the average medical patient in the wards. In the Department of Surgery, however, in most cases the chief educational value of the patient is concerned with an operation, not merely with the operative technique itself, but also with the study of the pathology revealed by the operation, etc. It often, although by no means always, happens that a patient who occupies a surgical bed for two weeks may have very little educational value except during one day of the two weeks. For that reason at all times in a surgical ward many beds are necessarily occupied by patients who, from the standpoint of medical education, have but slight value. Recognizing the necessity of having more ward beds devoted to surgical teaching the General Education Board some years ago generously offered a large sum of money to be used for the endowment of more teaching beds for surgery in the Barnes Hospital. This

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offer was made conditional upon the receipt, from other sources, of a sufficient amount of money to enlarge the structure of the Barnes Hospital enough to provide an adequate number of teaching surgical beds. In 1928, through the generosity of Mr. Frank Rand and Mr. Jackson Johnson, a sum of money was offered for the purpose of adding three additional floors to the surgical wing. It was found by the architects, however, that since the foundations were not strong enough to carry the three contemplated additional stories an expense to strengthen the foundations adequately would be so great as to be out of all proportion to the total cost of the enterprise. Accordingly, when the matter was brought to the attention of Mr. Rand and of the heirs of Mr. Johnson, who in the meantime had died, they agreed to increase the amount of their original offer sufficiently to tear down the old surgical wing and to erect a larger, new building on that site. Also, through the generosity of Dr. M. B. Clopton, two additional floors have been donated in memory of members of his family. These two additional floors will provide eight new operating rooms with all of the modern equipment and accessories necessary to go with them. Wrecking of the old building began about June 1, 1929. The new building, consisting of eight floors, with foundations strong enough to carry three additional floors, will be ready for occupancy in the fall of 1930. The new building will provide not only splendid new facilities for fulfilling the terms of the gift from the General Education Board in regard to teaching, but it will also provide additional space for private patients. A special feature of the building is the provision which it makes for taking care of both medical and surgical patients with diseases of the lungs and chest in the most approved modern manner.

It is with great sorrow that in this report it is necessary to record the death of Dr. Greenfield Sluder in October, 1928. Dr. Sluder was an outstanding authority in otolaryngology and he was well known throughout the world. He had a very original mind which revealed itself in new conceptions of disease as well as in a number of new technical devices which bear his name. His charming simplicity of manner, his keen sense of humor, his unselfish devotion to his pupils and his kindly charity

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made for him an unusually large number of admirers and friends. From the beginning of the Barnes Hospital until his death Dr. Sluder was Otolaryngologist-in-chief of the Hospital. During all this time his devotion and loyalty to the best interests of the Hospital were conspicuously evident. A memorial service was held for him on Sunday, May 26, 1929, in the auditorium of the Medical School.

In the previous report of the Surgical Service of the Barnes Hospital much emphasis was laid upon the recognition which had come to the Hospital because of the many important medical discoveries which have been made by members of the surgical staff. More will be said about some of these discoveries later in this report, but at this place it seems fitting to mention that the recognition of the Hospital for this work has expressed itself in a large number of visitors from all parts of the world, also by the fact that several national societies have held their meetings here and finally by the calling of Dr. Edwin P. Lehman to the University of Virginia as Professor of Surgery. Dr. Lehman resigned in 1928 to take up his new duties in Virginia. The Medical School of Thomas Jefferson's University at Charlottesville, Virginia, is an old one with an honorable and enviable record of accomplishment. Recently the acquisition of large gifts of money and the erection of some new buildings has started a new era for that school. As was the case in other instances, this call to Dr. Lehman is a mark of distinction of which the Barnes Hospital should be proud. One of the most desirable accomplishments of an institution of this kind is the training of leaders in medical work. It is significant that the heads of departments of surgery in four prominent medical schools in this country are men who had much or most of their training in this Hospital. These men are Dr. Barney Brooks, Professor of Surgery at Vanderbilt University, Nashville, Tennessee; Dr. Edwin R. Schmidt, Professor of Surgery at the University of Wisconsin; Dr. Alton Ochsner, Professor of Surgery at Tulane University, New Orleans, and now finally Dr. Lehman, at the University of Virginia.

The reputation and prestige of this Hospital as a center of training in surgery is reflected again in the large number of letters of inquiry and of applications for internships. Each

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year there are more than one hundred applicants from all parts of the country for the eight internships offered in surgery. The selection of internes is made as carefully as possible, but it is very difficult to avoid injustices and also to be sure that one is selecting the best applicants. The graded system of appointments of the house staff, which is now in vogue in many of the best hospitals in this country, is an American contribution to the methods of medical education. This is perhaps America's greatest contribution to the improvement of educational methods in medicine. From Germany we acquired the laboratory methods of instruction, from England we obtained the idea of permitting medical students to go to the bedside of the patients in the wards and actually to see and observe the conditions of the patients, and from America has come the third great contribution of giving intensive post-graduate training over a period of a few years to a carefully selected group of young men. By the graded system of house staff service, which we carry out on the Surgical Service of the Barnes Hospital, a young man is selected after graduation to serve as an interne for one year. From the ranks of the internes are selected a few men each year for the position of assistant resident, at which position each serves for two years, and, finally, from the assistant residents is chosen one man to serve as resident for a period of one or more years. This training is not only invaluable to the selected few who receive it, but it is also invaluable to the Hospital and to its patients, because it means that at all hours of the day and night they are under the protective and watchful eye of a carefully trained and carefully selected group of intelligent young doctors. It is obvious, of course, that all of the procedures of major importance are conducted not by this junior staff of young men, who live in the Hospital, but by their elders who constitute the attending staff.

Beginning with the fall of 1929 the system of service of the assistant residents in surgery was slightly modified. Previously there had been five assistant residents, each of whom was appointed for the term of one year. Beginning with July 1, 1929, the system was changed so that six assistant residents were appointed instead of five and each one was appointed to

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serve for two years. The result of this change is that each summer three men, of at least one year's experience as assistant resident, are on duty at the time when the new men come into the hospital. The new system has also the additional advantage that it permits each assistant resident to serve for a period of four months on each one of the various divisions of surgery, such as genito-urinary, orthopedic, neurological, etc., and to have eight months on the general Surgical Service.

During the years 1928 and 1929 there were many visitors from foreign countries who came to investigate at first hand the work of this department. Professor Leriche, of the University of Strasbourg, who is famous for being chiefly responsible for our present interest in the surgery of the sympathetic nervous system, was here for several days in June, 1929. In October of the same year Professor Wilkie, of the University of Edinburgh, was here. Professor Wilkie's clinic at Edinburgh is known all over the world. We were especially pleased to have him here because two of his proteges, Bruce Dick and C. F. W. Illingworth, have been here to spend a year with us. Dr. Harry Ballon, of Montreal, came here to work especially in the Chest Service and he remained for two years. He came here after an extensive trip visiting various centers of chest surgery throughout Europe. Other visitors were Dr. Kirsten, from the London Hospital, who spent several weeks studying our methods of handling surgical conditions of the chest. Dr. Allan C. Gairdner, also of the London Hospital, came to spend several weeks in the study of chest conditions; Dr. Lancaster, from St. George's Hospital, London, and Dr. Walker, from University College Hospital, London, were also here for several weeks. Dr. Alfred G. Weiss, of Strasbourg, France, spent a month with us in 1929. Dr. Weiss has recently been made the chief of one of the surgical clinics at the University of Strasbourg. He is, therefore, now a colleague of Professor Leriche. His charming and stimulating personality caused us all to regret very much his leaving.

Various organizations which met here during the two years were the Baltimore & Ohio Railway Surgeons, June 8, 1928; the American Association for Thoracic Surgery, April 25, 26 and 27; the Eclat Club, October 30 and 31, 1929; the Associa-

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tion of Oral and Plastic Surgeons in November, 1929, and the St. Louis Surgical Society, December 18, 1929. At each one of these meetings the surgical staff, often aided by members of the Department of Medicine, presented a program of original work and demonstration of patients which occupied sometimes as much as two full days.

An important change in the administration function of the Surgical Service occurred in 1928 when the gynecological cases were shifted back again to the Department of Obstetrics. In 1921 the section of gynecology had been moved from the Department of Obstetrics to that of Surgery. It seemed desirable, however, to transfer the gynecological work back to the Department of Obstetrics because of the necessity of training young men in both obstetrics and gynecology. The traditional union of these two departments is so strong that it is difficult to separate them and it is not by any means certain that it is wise to separate them.

The list of publications by the various members of the staff is appended. Certain outstanding work deserves special mention. During the years covered by this report Dr. Abbott published his first account of his excellent method of lengthening legs which have been shortened by disease. This procedure is so successful that it would seem that no child should now be allowed to grow up with one leg much shorter than the other. Dr. Allen published an important paper on the cause of abscess of the lung in which he explained many of the reasons why previous attempts to produce the condition experimentally by inhalation of infected material had failed. His work is important because it shows beyond any doubt that it is possible for abscess of the lung to occur by aspiration of suitable material into the lungs. This possibility had been denied by many workers in this field. Dr. Blair and Dr. Brown have continued their important and epoch-making work on the correction of various deformities about the face. Dr. Cole, with Dr. Womack and others, has done work of great importance which shows that the thyroid gland reacts to infections elsewhere in the body in such a way as to resemble very closely the changes which occur in it in those conditions which are ordinarily called exophthalmic goitre, hyperthyroidism, etc. He and his asso-

ciates have also shown the very important fact that these changes can be prevented by the administration of iodine. This knowledge, therefore, adds an important armamentarium to our methods of treating such ordinary infections as pneumonia, peritonitis, etc. Dr. Copher, with Dr. Bruce Dick, of Edinburgh, published some important papers which show that the blood which comes to the liver through the portal vein from various parts of the body is distributed selectively within the liver. In other words, they were able to demonstrate phenomena of "stream lines" in the portal vein. The great importance of the work lies in the fact that it indicates that different portions of the liver have different functions. Heretofore the liver has been considered to be a uniform organ so far as function is concerned. Dr. Elman has continued his very important work on the study of the pancreatic juice and he has brought forth much additional evidence to show that the regulation of the acidity of the stomach is brought about under normal circumstances by regurgitation of the alkaline pancreatic juice into the stomach. His important studies also on blood amylase have been continued. He has been able to show that it is possible to diagnose pancreatic disease very often by a study of the amount of starch-splitting ferment of the pancreas in the blood. Dr. Heinbecker published his interesting and remarkable observations on various immune reactions and on blood grouping of the Eskimos. These studies were made under most difficult conditions in the Far North and they are of considerable philosophic interest. Dr. Heinbecker also published his observations on the changes in the bronchi in normal respiration which showed conclusively for the first time that during inspiration the bronchi are enlarged and that during expiration they become smaller. He also published his important paper concerning the differentiation of the types of nerve fibers in certain components of the involuntary nervous system. Dr. Key continued his work on experimental arthritis. Dr. Rose continued his important investigation into the subject of the diagnostic value of measurements of bladder pressures. The department published several books during the two years. One entitled "Diseases of the Gallbladder and Bile Ducts," written jointly by Drs. Cole, Copher, Sherwood Moore and your Sur-

geon-in-Chief, was reprinted within a few months after it had first appeared. It contained all of the newer work on the gall-bladder, including the development of cholecystography, which had been done in the Department of Surgery during the last few years. Two volumes of the Year Book, for the respective years, were also published. Dr. Key and Dr. Sherwood Moore edited and translated a monograph by Professor Leriche, of Strasbourg, on the growth of bone.

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EVARTS A. GRAHAM,
Surgeon-in-Chief.

Report of the Physical Therapy Department

Physical therapeutics have become a fixed adjunct in the practice of medicine all over the civilized world. It is no longer looked upon as a fad. Every modern hospital has included in its equipment a department of physical therapeutics.

The department at Barnes Hospital is one of the oldest in the United States, having been in existence since 1916. During that time something like one hundred thousand treatments have been given. These patients come from various sources, but principally from the Washington University Dispensary, the Barnes Hospital Ward, the St. Louis Maternity Hospital and the St. Louis Children's Hospital. Also outside patients referred to the department by physicians who may or may not be connected with the Hospital.

All types of non-infectious diseases are treated, but more especially bone and joint conditions, including fractures and arthritis; the various forms of paralysis, neuritis and diseases of nervous origin.

The staff consists of the physician in charge and several female and male operators.

F. H. EWERHARDT, Physician in Charge,
Physical Therapy Department.

Report of Department of Pathology

During the year 1928 autopsies were performed as follows:

	Number of Deaths	Number of Autopsies	Percentage
Medical Service	148	92	62.16
Surgical Service	133	74	55.63
Totals	281	166	59.07

During the year 1929 autopsies were performed as follows:

	Number of Deaths	Number of Autopsies	Percentage
Medical Service	142	84	59.15
Surgical Service	135	69	51.11
Totals	277	153	55.23

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LEO LOEB,
Pathologist-in-Chief.

Report of Department of Radiology

1928-1929

The X-ray Department, now an independent department of the Washington University School of Medicine, had its origin as an adjunct of the Department of Surgery and commenced operation in its present location with the opening of the Barnes Hospital. The quarters which it now occupies were designed to meet the needs of a hospital X-ray laboratory of fifteen years ago, with space that was then deemed adequate for future expansion. The development in the practice of radiology, however, has surpassed expectation, in both clinical work and scientific research. In the years 1928-1929, the department handled 23,260 patients, on whom 51,466 X-ray films were made. Comparative records show that this is approximately 2.2 times the number of patients X-rayed in 1918-1919 and 2.7 times the number of films or plates made in those years. It is anticipated that the increase in clinical X-ray work will be even greater in the next few years, consistent with the enlargement of the hospital group which the X-ray Department serves, and also because of the trend in medical science toward a more extensive use of X-ray in the diagnosis and treatment of disease. The future of radiology as a factor in scientific research cannot be estimated, but it is planned to devote one floor of the new eight-story building of the department to research in physics. Ground was broken for the building, which will be known as the Edward Mallinckrodt Institute of Radiology, on November 1, 1929, and its erection, adjoining the Barnes Hospital building, will be completed within a year's time.

X-ray films are preserved indefinitely, and these, together with written reports of interpretation, form a library useful in the study of radiology. Students of the Washington University School of Medicine are offered a course in this branch of medicine as an elective study. Cases are indexed anatomically and under pathological conditions, and films are filed, by patient's number, in special fireproof cabinets.

Publications by members of the X-ray Department staff during the years 1928-1929 are as follows:

Moore, Sherwood

- (1) (With Evarts A. Graham, M.D., Warren H. Cole, M.D., and Glover H. Copher, M.D.) Diseases of Gall Bladder and Bile Ducts. Lea & Febiger, Philadelphia, 1928, pp. 477, illus. and plates.
- (2) (With J. Albert Key, M.D.) The Normal and Pathological Physiology of Bone, Its Problems, by R. Leriche, and A. Policard; authorized English translation by Sherwood Moore, M.D., and J. Albert Key, M.D. C. V. Mosby Co., St. Louis, 1928, pp. 236, illus.
- (3) The Evolution of Biliary Tract Radiology. So. Med. Jour., Jan., 1928, Vol. XXI, No. 1, pp. 29-33.
- (4) (With Robert J. Crossen, M.D.) Cholecystographic Studies in Pregnancy. Am. Jour. Ob. and Gyn., Dec., 1928, Vol. XVI, No. 6, pp. 840-844.
- (5) The Bone Changes in Sickle Cell Anemia with Note on Similar Changes Observed in Skulls of Ancient Mayan Indians. Jour. of Mo. State Med. Assn., 1929, Vol. XXVI, No. 11, pp. 561-564.
- (6) Symmetrical Thinness of Parietal Bones, Jour. of Mo. State Med. Assn., 1929, Vol. XXVI, No. 8, pp. 396-397.
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Larimore, Joseph W.

- (1) Chronic Ulcerative Colitis: Observations of Treatment by Diet. Jour. of Am. Med. Assn., March 17, 1928, Vol. 90, No. 11, pp. 841-844.
- (2) Roentgenology of the Colon: Its Value in Clinical Medicine. Am. Jour. of Roent. and Rad. Therapy, Aug., 1928, Vol. XX, No. 2.
- (3) Duodenal Ileus, Ulcerative Colitis and Pellagra Associated in the Same Patient; Complete Cure Following Duodeno-Jejunostomy. Jour. of Mo. State Med. Assn., 1929, Vol. XXVI, pp. 239.

SHERWOOD MOORE,
Radiologist-in-Chief.

Report of the Dental Department

1928-1929

Beginning February 1, 1928, all cases entering the Hospital under the Medical Service were given a thorough dental examination except those cases on isolation or cases where it was impossible to make a thorough dental examination. From February 1, 1928, to the end of the year 765 cases were examined. Seventy-five other consultations were made coming from the other departments of the Hospital. One hundred X-rays were made and 102 teeth were extracted.

From February 1, 1929, to the end of the year 560 cases were examined. Eighty cases were referred from other departments of the Hospital. The decrease in number of patients examined this year was probably due to the new addition to the Hospital, which has made it very difficult to work in our dental room.

The Dental Clinic in the Dispensary was discontinued in the Fall of 1928 on account of the opening of the new Dental School, which is only one-half block away from the Dispensary. All cases in the Dispensary needing dental treatment are now referred direct to the new Dental School, where the examination, treatment and restoration of the teeth can be fully completed without much loss of time to the patient.

I wish to take this opportunity to thank all the departments for their co-operation and I especially thank Dr. H. Joedicke and Dr. R. Martin for their loyalty and faithful service during the past years.

Respectfully submitted,

WILLIAM B. SPOTTS, D.D.S.,
Dental Surgeon Barnes Hospital.

Report of the Washington University School of Nursing

1928-1929

One of the most encouraging and stimulating events in the year 1928 was the establishment of an endowment of \$50,000 for the School by Mr. and Mrs. George O. Carpenter. This fund was given for educational and recreational purposes not normally provided in the budget. Two-thirds of the income from the fund is to be expended on the authority of the Administrative Board, while the remaining one-third is to be used at the discretion of the Director. One of the first uses made of the fund was the employment of a full-time physical and social director, who was appointed in the fall of 1928, and has been most helpful in stimulating the physical and social activities of the School. Further uses of the fund have been to provide books for the library, additional lecture courses, a director for the student chorus, and to increase the facilities for recreation.

The University has allocated the sum of \$500 from the McMillan Scholarship Fund to be used each year for entrance scholarships in the School of Nursing. In 1929 a loan fund of \$10,000 was given anonymously to the school through Mr. and Mrs. Carpenter. The income from this fund will be available for loans to students upon call of the Director.

In September the course in Public Health Nursing, which was made possible by Mr. and Mrs. George O. Carpenter, was started with Miss Anna Heisler in charge. We have been most fortunate in securing the finest co-operation from the University for the theoretical work necessary, and from the various field agencies for the students' practice work, which includes the St. Louis Visiting Nurse Association, St. Louis Municipal Visiting Nurse Association, the Provident Association, and the Public Schools of St. Louis. We have also been fortunate in interesting the State Health Department so that they have made available a teaching center in St. Francois County, Flat River, Missouri. Here the students may go for their experience

SCHOOL OF NURSING

in rural nursing, which is so essential, as we expect our nurses will go into this form of work. Eight students enrolled for the course this year, four of whom were degree students electing this specialty in their fifth year. The others, with one exception, were Washington University graduates.

Dr. William H. Olmsted was appointed to the Administrative Board in the fall of 1929 as a representative from the Barnes Hospital Society.

The following members of the Auxiliary Committee on the Nurses' Residence have resigned: Mrs. William D'Arcy, Mrs. I. W. Morton and Mrs. John McDonald. New members of the Committee are: Mrs. Harvey J. Howard, Mrs. Walter Upson and Mrs. Allen Snyder. The committee has continued to hold regular meetings and to give counsel and advice on affairs pertaining to the living conditions and social life of the student body.

Miss Lucy Martin has continued her work during the past two years and has been devoting her efforts principally to the selection of better candidates for the School. She makes a home visit whenever possible and sees the high school principal and dean of girls, and discusses with them the qualifications of the prospective applicants. We are now requiring a letter of recommendation from the high school principal. The percentage of students dropped after admission is wasteful and extravagant. Everything should be done to secure young women who possess the scholastic and personal qualities necessary for the nursing profession.

In October, 1928, the Nurses' Residence was filled to overflowing, so that it was necessary for several graduates to live outside the building. Certainly the Hospital authorities must feel a sense of satisfaction in the fact that they did not accept the plans for a smaller building program. With the new surgical wing, and the increased staff which will be required to run it, additional facilities must be considered in the near future.

Courses in supervision, teaching, home nursing and nutrition are being given in the Extension Department of Washington University by members of the faculty of the School of Nursing. The School in this way can broaden its scope so as to be of service to the community.

BARNES HOSPITAL

The enrollment of students in the School of Nursing is now two hundred and twelve, as compared with one hundred and eighty-two in 1927. There are in addition forty-four affiliating students. The number graduated during the last two years is ninety-four.

Each year it becomes more difficult for our hospitals to meet the cost of the educational program of the School. If progress is to be made, however, and we are to maintain high standards, funds must be secured to carry on the work. If an endowment could be secured to carry the educational budget, the hospitals could be relieved from all the expense of students, with the exception of their maintenance. This would make it possible for them to develop and perfect the nursing service, and would insure better care for our patients, which is, after all, the primary purpose of any hospital.

The nursing service in Barnes Hospital is slowly but steadily improving in character. We are more adequately staffed than ever before, and I believe that the quality of care which our patients receive is growing better.

The nursing personnel in Barnes Hospital December 31, 1929, is as follows:

Superintendent of Nurses.....	1
Assistant Superintendent of Nurses.....	1
Supervisors	7
Head Nurses	16
General Duty Nurses.....	27
Washington University Students.....	79
Affiliating Students	3
Advanced Students	3
Total.....	138

CLARIBEL A. WHEELER,

Director School of Nursing and
Superintendent of Nurses.

Report of the Washington University Clinics

A change of the name of Washington University Dispensary to Washington University Clinics has been suggested to accord with recent developments in medical practice as applied to ambulant patients. The early institutions in England and the United States were known as dispensaries, because their purpose was primarily to provide medicine for the sick poor. The requisites for the modern consideration of disease are changing the purpose of out-patient departments of medical schools and teaching hospitals from that of medical relief of symptoms to that of a complete medical service comparable to that obtained from consultants or specialists in private practice. Dispensing medicine has become a minor factor in modern clinics incidental to the provision of a complete medical service. The recent conception of clinic practice of medicine is consistent with but more comprehensive than the old idea of mere charity. The kinds of service rendered at present are more numerous, expensive, and more worth while obtaining. Since health is not a commercial product to be allowed in proportion to individual means, but is the common right of all classes, it is necessary to extend organized clinic service in order to serve those who cannot afford attention from the open medical market. The term dispensary is not as applicable as the name of Washington University Clinics, which are rapidly developing into an integration of specialized clinics. The term will be retained only for that department of the Clinics which supply medicines.

The Clinics are conducted by an executive committee enlisted from clinical departments of the school and hospitals. Policies and organization are supervised by a director appointed by Washington University and advised by the executive committee. Disbursements and personnel are administered by a superintendent appointed by the Dean of Washington University Medical School. Co-ordinate to the clinic administration the admission and conduction of patients throughout the Clinic is in charge of the Clinic Social Service, under the headship of the Director of the Social Service Department of the related hos-

pitals. The initiation of the admitting service from the Department of Social Service represents the most important development in clinic progress made during the past year. The determination of economic eligibility of clinic patients requires the diligent attention of trained social workers. This service, which is now carefully rendered, gives an accurate analysis of the patient's eligibility for clinic care. It is hoped that this service may be extended to hospital admissions of patients from all clinics in order to establish continuity of social service attention to the patient and obviate a redetermination of economic eligibility prior to ward admission.

The teaching function of the Clinics is being extended to a more comprehensive study of the early clinical stages of disease. By the adoption of the appointment system adequate time is allowed for attention to the individual patient. Only the number of patients who may be carefully attended are admitted. This will reduce the total number of patients admitted for care in clinic subdivisions which have limited facilities.

Teaching programs for medical students, student nurses and social workers are hampered because of inadequate physical facilities and finances. They are carried on by representatives from the clinical staffs of the school and hospitals, from the School of Nursing and from the Department of Hospital Social Service.

With the increasing importance of St. Louis as a center for social service instruction and social service welfare organizations, there is added responsibility and privilege for the out-patient clinics to serve as laboratories for this new adjunct to medicine.

There is a rapidly increasing need for health and diagnostic clinics to aid the welfare organizations of the city in solving the problems of their clients. Diagnostic and consultation clinics are also needed to aid physicians who cannot afford the required laboratory and consultation service. These and other modern functions of an out-patient department cannot be adequately met with the present physical equipment.

WASHINGTON UNIVERSITY CLINICS

The number of visits made to the various departments is shown in the following tables:

Clinic	1928		1929	
	Free	Total	Free	Total
Medicine	7,615	19,963	4,698	18,805
Genito-Urinary	2,282	8,763	1,324	8,200
Orthopedic Surgery . .	1,576	5,109	785	4,195
Neurology	2,352	5,371	748	2,937
Surgery	2,866	9,320	1,513	7,400
Dental (January 1 to September 1)	310	406	.....	.....
Oto-Laryngology	3,348	15,210	2,666	9,809
Pediatrics	4,737	13,331	1,947	11,399
Gynecology	1,860	6,852	1,221	7,200
Ophthalmology	4,094	12,764	2,921	9,637
Dermatology	1,988	5,486	1,361	5,859
Obstetrics	894	5,446	495	6,372
Tryparsamide (Oct., Nov. and Dec.)	390	672	1,551	2,702
	34,312	108,756	21,230	94,515
Night Clinic	7,859	36,247	4,333	35,065
Children in All Clinics		23,376	.....	20,116
Total Number Day Visits for Year		108,756	.....	94,515
Total Number Night Visits for Year		36,247	.....	35,065
Grand Total for Year		145,003	.....	129,580
Average Daily Attendance . . .		357	.....	309
Average Nightly Attendance .		181	.....	171

J. V. LAWRENCE,
Director.

Report of Social Service Department

The most outstanding event in connection with social service was the appointment by Dean Marriott in April, 1928, of a Social Service Committee of the Washington University School of Medicine. Previous to this there had not been, for a number of years, any official relationship between the Medical School and the Social Service Department, although advice and guidance had been informally extended upon request by individual members of the medical staff. The committee is composed of the Dean of the School of Medicine, the Superintendent of Barnes Hospital, the Medical Director of Washington University Clinics, the heads of the departments of Medicine, Surgery, Pediatrics and Obstetrics or their representatives, the President and Secretary of the Board of the Social Service Department and the Director of Social Service.

Monthly meetings of the committee have been held and many important matters have been discussed. It was decided that the present Board of the Social Service Department should be retained, and that it should carry the governing and financial responsibility, while the advisory and directive responsibility for social service as an adjunct to medical practice should be delegated to the newly created committee, which is the co-ordinating committee representing the medical institutions in which social service functions. As a basis for mutual understanding, reports were given throughout 1929 of the current practices of the social workers in the medical, surgical, pediatric and obstetrical services from the view points of the physicians and the Social Service Director. These presentations afforded many interesting discussions, and valuable recommendations were made which led to the adjustment of certain difficulties, provided for the realignment of social service personnel to the best possible advantage and made possible closer collaboration between doctor and social worker.

An important extension occurred in October, 1929, with the establishment of a new admitting service to Washington University Clinics under social service direction. The two medical

SOCIAL SERVICE DEPARTMENT

social workers assigned to this unit are responsible for ascertaining the medical and economic eligibility of patients applying for admission. By individualizing each case, the social workers have made possible a deeper, more thorough handling of the problems of each. About ten per cent of the patients interviewed at the admitting desk are referred to the social workers in the various clinics for further social service assistance. It is confidently expected that the work of the admitting service will eventually include the hospitalization of patients referred from the clinics to the allied hospitals.

Social studies, which are incorporated in the medical charts, are being made of all patients admitted to the medical wards of Barnes Hospital and of certain patients admitted to other wards. On the neuro-psychiatric service, detailed psychiatric social studies as an aid to diagnosis are made upon request of the neurologists or psychiatrists, and on the surgical service social histories are attached to the medical charts when the social findings are particularly significant. Occasionally the social examination is the only service rendered by the social workers. It is felt that this attempt to discover the social component in medicine is important even when social treatment is not indicated. If the findings are negative, then the physicians need not consider them in planning treatment for the patient. However, when the social factors influence the health problem it is essential that the physicians understand them in order to plan an effective course of treatment for the patient, utilizing resources within the patient, the patient group and the community.

Three times a week medical ward rounds are made by the social workers with the physician, the internes and head nurse. This affords a means by which the social worker is able to follow the medical progress of the patient, to learn of the medical recommendations, to discuss the implications of the social factors and to suggest possible social resources for treatment.

One of the serious problems confronting the workers on the surgical service is the lack of convalescent and chronic hospital care. Many patients could be discharged earlier from the hospital wards if such resources were available. In a few instances where long continued bed care was needed, the Social

BARNES HOSPITAL

Service Department has assumed the supervisory and financial responsibility for the patients, placing them in carefully selected homes in the community, thereby releasing the hospital beds for more acute cases.

It is difficult to estimate the amount of service rendered to patients in Barnes Hospital, as the social workers are assigned according to services and function both in the wards and clinics of the group of medical institutions. During 1928 and 1929, there were four workers on the medical service; four on the surgical service, including eye, ear, nose and throat, general surgery, gynecology, orthopedic and genito-urinary; three on the dermatology service, which includes syphilis; and two psychiatric social workers on the neuro-psychiatric service. All of these workers were responsible for any social work necessary for patients known to them in the clinics and referred to Barnes Hospital, or for patients referred to them from the wards of the Hospital.

The statistics of the Social Service Department are not divided, but include the work done in Washington University Clinics, Barnes Hospital, St. Louis Children's Hospital and St. Louis Maternity Hospital. During 1928, 2,237 cases were carried and 8,430 interviews were held with or for patients not counted as cases; during 1929, 1,881 cases were carried and 19,813 interviews were held.

A list of the publications of the department follows:

- (1) The Social Service Content of Nursing Education. The Trained Nurse and Hospital Review, Sept., 1928, p. 323.
- (2) Merging Social and Medical Work. Modern Hospital, Jan., 1929, p. 51.
- (3) What Have I to Bring to the Welfare of the Patient? Hospital Social Service, June, 1929, Vol. XIX, p. 558.
- (4) Social Service as an Administrative Aid in the Hospital. Hospital Progress, July, 1929.

EDITH M. BAKER,
Director Social Service Department.

Report of the Barnes Hospital Library

The following table shows the number of books issued according to the fiscal year:

Year	Number of Books Issued	Year	Number of Books Issued
1915 (8 months).....	1,308	1922.....	5,273
1916.....	3,316	1923.....	5,336
1917.....	4,688	1924.....	5,254**
1918.....	5,097	1925.....	3,796
1919.....	5,617	1926.....	3,419
1920.....	6,454	1927.....	2,748
1921.....	6,805*	1928.....	2,915
		1929.....	2,736

* 11 months due to change in fiscal year.

** 13 months due to change in fiscal year.

The Barnes Hospital Library has functioned continuously for fifteen years. We, like many other hospitals, had no funds either for a librarian's salary or for the purchase of books, but the need of a library was urgent, so a loan of 75 books was obtained from the traveling department of the St. Louis Public Library, and the record keeper volunteered to become the librarian. Today we are compelled to limit our shelf space to some 1,500 volumes, every one of which belongs to the Hospital—as a gift, not a purchase. The library has been a benefit and pleasure to our patients, so we have been told by many of them personally, and is reason in itself for every hospital without funds to make the effort to provide reading material for its patients.

Each year we give to the Public Library a number of copies by popular authors which might continue being used but for weak bindings. The Public Library rebinds these books in its own bindery and they are good as new once more.

We are grateful to our volunteer workers who come to the Hospital each week to distribute books and magazines through the wards, and to our friends who are thoughtful of us when they have books and magazines which they no longer need.

BESSIE E. TAYLOR,
Record Keeper and Librarian.

Report of the Chaplain

The duties of the Chaplain are many and varied.

Services are held each Sunday at 3:00 p. m. in the Robert A. Barnes Memorial Chapel, which is located on the third floor of the main building. We preach unto them the gospel of hope, cheer and life eternal. Men and women of every creed and faith and of no creed and no faith attend these services and are helped mentally, physically and spiritually. The number at these services is gauged by the number of patients sufficiently convalescent to be present.

The Chaplain has in mind every patient, and feels that every patient has a claim upon his time; therefore, he seeks opportunities to minister to all who need that which is within his power to give.

During the course of a year thousands of bedside visits are made to patients in wards, semi-private and private rooms, and whatever may be their need, mental, physical or spiritual, that need is provided, if possible.

The Chaplain attends the District and Annual Conferences of Missouri and is given ample time to present the claims of Barnes Hospital and the Nurses' Training School of Washington University, which is an affiliated institution with the Hospital.

The religious and secular press have given much space to our campaign of publicity, and platform and pulpit have been used in presenting the merits of Barnes Hospital and the Nurses' Training School. We feel that good has resulted from thus acquainting the public with the character and scope of work being done. Student nurses have been secured and the attention of men and women with means called to the need of a larger endowment and more student nurses. The student nurse receives the greater part of her practical training in Barnes Hospital.

Through the Annual Golden Cross Enrollment Campaign in the Methodist Episcopal Church, South, in Missouri, the Chaplain is seeking to raise funds to help care for worthy sick poor who need hospitalization.

C. WESLEY WEBDELL, D.D., Chaplain.

Trustees

RICHARD M. SCRUGGS.....	1892-1905
SAMUEL M. KENNARD.....	1892-1916
SMITH P. GALT.....	1882-1905
SAMUEL CUPPLES	1905-1912
MURRAY CARLETON	1905-1916
LON V. STEPHENS.....	1912-1915
L. RAY CARTER.....	1915-1922
FRANK C. RAND	1916
PAUL BROWN	1916-1925
J. W. FRISTOE.....	1922
XENOPHON P. WILFLEY.....	1925

Barnes Hospital Staff

ADMINISTRATION

Louis H. Burlingham, M.D.	Superintendent
Frank R. Bradley, M.D.	Assistant Superintendent
Cornelia Sasse, R.N.	Executive Assistant
Lola V. Breitenstein, R.N.	Admitting Officer

MEDICINE

David P. Barr, M.D.	Physician-in-Chief
Harry L. Alexander, M.D.	Associate Physician
Elsworth S. Smith, M.D.	
Albert E. Taussig, M.D.	
Walter Fischel, M.D.	
Jerome E. Cook, M.D.	
Walter Baumgarten, M.D.	
William H. Olmsted, M.D.	
Drew W. Luten, M.D.	
Charles H. Eyermann, M.D.	
Jacob J. Singer, M.D.	
Warren P. Elmer, M.D.	
Frank D. Gorham, M.D.	
L. D. Thompson, M.D.	
Alfred Goldman, M.D.	
Sam B. Grant, M.D.	
Arthur E. Strauss, M.D.	
Joseph W. Larimore, M.D.	
Anthony Day, M.D.	
Llewellyn Sale, M.D.	Assistant Physicians
Lee P. Gay, M.D.	
Harold Bulger, M.D.	
John W. Lawrence, M.D.	
Lee D. Cady, M.D.	
William G. Becke, M.D.	
Hiram Liggett, M.D.	
Milo Heideman, M.D.	
Oliver Campbell, M.D.	
Oliver Abel, M.D.	
Harry Wiese, M.D.	
Charles Gilliland, M.D.	
Leon Bromberg, M.D.	
William B. Kountz, M.D.	
Louis H. Behrens, M.D.	
Howard Rusk, M.D.	
Ralph Muckenfuss, M.D.	
Julius Jensen, M.D.	

SURGERY

Evarts A. Graham, M.D.	Surgeon-in-Chief
Ernest Sachs, M.D.	Associate Surgeons
Vilray P. Blair, M.D.	

HOSPITAL STAFF

John R. Caulk, M.D.	}	Associate Surgeons
Leroy Abbott, M.D.		
Malvern Clopton, M.D.		
Arthur O. Fisher, M.D.		
Archer O'Reilly, M.D.		
Major G. Seelig, M.D.		
Warren R. Rainey, M.D.		
J. Edgar Stewart, M.D.		
Glover H. Copher, M.D.		
D. K. Rose, M.D.		
Harry Greditzer, M.D.	}	Assistant Surgeons
Otto J. Wilhelmi, M.D.		
J. H. Y. Sanford, M.D.		
H. McClure Young, M.D.		
Roger Deakin, M.D.		
Charles A. Stone, M.D.		
Roland M. Klemme, M.D.		
Duff S. Allen, M.D.		
I. Y. Olch, M.D.		
J. B. Brown, M.D.		
J. Albert Key, M.D.		
F. A. Jostes, M.D.		
Warren R. Cole, M.D.		
Theodore Brooks, M.D.		
Robert Elman, M.D.		
Harry S. Brooks, M.D.		

OBSTETRICS AND GYNECOLOGY

Henry Schwarz, M.D.	. Consultant in Obstetrics and Gynecology	
Otto H. Schwarz, M.D.	. Obstetrician-in-Chief and Gynecologist	
Harry S. Crossen, M.D.	. Gynecologist	
Fred J. Taussig, M.D.	}	Associate Obstetricians and Gynecologists
G. D. Royston, M.D.		
Q. U. Newell, M.D.		
W. U. Dieckmann, M.D.		
Hugo Ehrenfest, M.D.		
Charles O'Keefe, M.D.		
Frank P. McNalley, M. D.		
Adolph G. Schlossstein, M.D.		
E. Lee Dorsett, M.D.		
Otto S. Krebs, M.D.		
Richard Paddock, M.D.	}	Assistant Obstetricians and Gynecologists
Oda O. Smith, M.D.		
Raymond M. Spivy, M.D.		
John R. Vaughan, M.D.		
Robert J. Crossen, M.D.		
Grover Liese, M.D.		
T. Kenneth Brown, M.D.		
Dudley R. Smith, M.D.		
Melvin Roblee, M.D.	}	
Charles Drabkin, M.D.		
Myron Davis, M.D.		
Franz Arzt, M.D.		

BARNES HOSPITAL

PATHOLOGY

Leo Loeb, M.D. Pathologist

SPECIAL DEPARTMENTS

Joseph Erlanger, M.D.	Physiologist
Philip A. Shaffer, Ph.D.	Chemist
Robert Terry, M.D.	Anthropologist
Herbert S. Gasser, M.D.	Pharmacologist
Harvey J. Howard, M.D.	Ophthalmologist-in-Chief
W. E. Shahan, M.D.	} Assistant Ophthalmologists
Meyer Wiener, M.D.	
William F. Hardy, M.D.	
F. E. Woodruff, M.D.	
Hayward Post, M.D.	
Max W. Jacobs, M.D.	
Lawrence Post, M.D.	
Frederick O. Schwartz, M.D.	
B. Y. Alvis, M.D.	

OTO-LARYNGOLOGY

Lee Wallace Dean, M.D.	Oto-Laryngologist-in-Chief
Millard B. Arbuckle, M.D.	} Assistant Oto-Laryngologists
H. W. Lyman, M.D.	
Arthur W. Proetz, M.D.	
W. L. Hanson, M.D.	
George Hourn, M.D.	
Arthur Alden, M.D.	
Charles L. Davis, M.D.	
Richard J. Payne, M.D.	
French K. Hansel, M.D.	
James B. Costen, M.D.	
B. J. McMahon, M.D.	
Allen Potter, M.D.	
Louis J. Birsner, M.D.	
L. E. Freimuth, M.D.	
H. M. Janse, M.D.	
I. W. Kelley, M.D.	
W. K. Johnson	
Martin F. Engman, M.D.	Dermatologist
William F. Mook, M.D.	} Assistant Dermatologists
A. H. Conrad, M.D.	
Richard Weiss, M.D.	
William G. Coleman, M.D.	} Voluntary Assistant in Dermatology
Martin I. Engman, M.D.	
Sidney I. Schwab, M.D.	Neurologist
Andrew B. Jones, M.D.	} Assistant Neurologists
Archie C. Carr, M.D.	
James A. Brown, D.D.S.	Dentist, Surgical Department
William B. Spotts, D.D.S.	Dentist, Medical Department
Harry Joedicke, D.D.S.	Assistant Dentist, Medical Department
Frank H. Ewerhardt, M.D.	Physician-in-Charge Physical Therapeutics
Sherwood Moore, M.D.	Reontgenologist
Joseph W. Larimore, M.D.	} Assistant Roentgenologists
Oscar Zink, M.D.	

House Staff

1928 - 1929

MEDICAL

July 1, 1927 - July 1, 1928	George E. Nesche, M.D.	Residents
July 1, 1928 - July 1, 1930	Chas. W. Duden, M.D.	
Nov. 1, 1928 - Mar. 1, 1929	George E. Wilson, M.D.	
Mar. 1, 1929 - July 1, 1929	Wilfrid Gaisford, M.D.	Assistant Residents
July 1, 1929 - Apr. 15, 1930	Saxton T. Pope, M.D.	
July 1, 1927 - July 1, 1928	Richard C. Norton, M.D.	
Jan. 1, 1927 - July 1, 1928	William Kountz, M.D.	
Jan. 1, 1927 - July 1, 1928	N. H. Plummer, M.D.	
Jan. 1, 1927 - July 1, 1928	C. M. Stroud, M.D.	
July 1, 1927 - Jan. 1, 1929	Walter M. Whitaker, M.D.	Internes
July 1, 1927 - Jan. 1, 1929	W. B. Adamson, M.D.	
July 1, 1927 - Jan. 1, 1929	Robert M. Evans, M.D.	
Jan. 1, 1928 - Jan. 1, 1929	Lee B. Harrison, M.D.	
July 1, 1927 - July 1, 1928	William L. Smith, M. D.	
July 1, 1928 - Jan. 1, 1930	John R. Adams, M.D.	
July 1, 1928 - Jan. 1, 1930	Louis R. Aitken, M.D.	
Jan. 1, 1929 - July 1, 1930	Fred Jacobs, M.D.	
July 1, 1929 - Jan. 1, 1930	J. Ted Jean, M.D.	
July 1, 1928 - Jan. 1, 1930	Justin J. Cordonnier, M.D.	
July 1, 1928 - Jan. 1, 1929	Edward W. Grove, M.D.	
July 1, 1928 - Jan. 1, 1929	John S. Harter, M.D.	
Dec. 5, 1928 - Dec. 5, 1929	Hector M. Janse, M.D.	Internes in Oto-Laryngology
July 1, 1928 - July 1, 1929	Glenn Greenwood, M.D.	
July 1, 1928 - July 1, 1929	Lawrence E. Darrough, M.D.	
Jan. 1, 1928 - Jan. 1, 1929	Colby Hall, M.D.	

SURGERY

July 1, 1927 - July 1, 1928	Nathan Womack, M.D.	Residents
July 1, 1929 - July 1, 1930	William Hamm, M.D.	
July 1, 1926 - July 1, 1928	Robert Elman, M.D.	
July 1, 1927 - July 1, 1928	Edw. M. Pickford, M.D.	Assistant Residents
July 1, 1927 - July 1, 1928	Alva G. Heideman, M.D.	
July 1, 1927 - July 1, 1928	Caleb Stone, Jr., M.D.	
Jan. 1, 1928 - July 1, 1928	Melvin Roblee, M.D.	
July 1, 1928 - July 1, 1929	Wm. G. Hamm, M.D.	
July 1, 1929 - July 1, 1930	Wells Standish, M.D.	
July 1, 1928 - July 1, 1929	Fr. E. Walton, M.D.	Internes
July 1, 1928 - July 1, 1930	Wm. W. Rambo, M.D.	
July 1, 1929 - July 1, 1930	C. A. McIntosh, M.D.	
July 1, 1927 - July 1, 1928	W. C. Goodlett, M.D.	
July 1, 1927 - July 1, 1928	C. K. Higgins, M.D.	
July 1, 1927 - July 1, 1928	R. E. Newton, M.D.	
July 1, 1927 - July 1, 1928	Fr. E. Walton, M.D.	
July 1, 1928 - July 1, 1929	Parker C. Hardin, M.D.	
July 1, 1928 - July 1, 1929	Howard R. Hildreth, M.D.	

BARNES HOSPITAL

July 1, 1928 - July 1, 1929	Alvah Heideman, M.D.	} Internes
July 1, 1928 - July 1, 1929	Wells Standish, M.D.	
July 1, 1928 - July 1, 1929	John E. Hobbs, M.D.	
July 1, 1928 - July 1, 1929	Lawrence L. Howard, M.D. . . .	
Aug. 1, 1928 - July 1, 1930	C. A. McIntosh, M.D.	
July 1, 1927 - July 1, 1928	James C. Sandison, M.D.	
July 1, 1927 - July 1, 1928	Hugh M. Wilson, M.D.	
July 1, 1929 - July 1, 1930	William James, M.D.	
July 1, 1928 - Oct. 15, 1928	J. S. Brewer, M.D.	
Jan. 1, 1929 - Jan. 1, 1930	H. N. Fisher, M.D.	
July 1, 1927 - July 1, 1928	Wm. W. Rambo, M.D.	

PATHOLOGY

July 1, 1927 - July 1, 1928	Richard T. Taylor, M.D.	} Residents
July 1, 1929 - July 1, 1930	Edw. L. Burns, M.D.	

VOLUNTARY ASSISTANTS IN MEDICINE

July 1, 1928 - Jan. 1, 1929	M. F. Engman, Jr., M.D.
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VOLUNTARY ASSISTANTS IN SURGERY

G. K. Lewis, M.D.	Hugh M. Wilson, M.D.
Harry Wilkins, M.D.	Harry C. Ballon, M.D.
Abraham Kaplan, M.D.	Alfred C. Greger (July 1, 1928-Jan. 22, 1929)

Register of Present Members of the Staff

ABBREVIATIONS

B. H.	Barnes Hospital.
J. H. H.	Johns Hopkins Hospital.
M. G. H.	Massachusetts General Hospital.
P. B. B. H.	Peter Bent Brigham Hospital.
St. L. C. H.	St. Louis Children's Hospital.
St. L. City H.	St. Louis City Hospital.
W. U. Disp.	Washington University Dispensary.
W. U.	Washington University.
Harv.	Harvard University.
J. H. M. S.	Johns Hopkins Medical School.
W. U. S. M.	Washington University School of Medicine.
I.	Interne.
M. I.	Interne on Medical Service.
S. I.	Interne on Surgical Service.
O. and G. I.	Interne on Obstetrical and Gynecological Service.

ABBOTT, LEROY CHARLES

M.D., U. of Cal., 1914; Surg.-in-Chief, Shriners' H.; Prof. Clin. Orth. Surg., W. U. S. M.; Orth., St. L. C. H.; Assoc. Surg., B. H.

ABEL, OLIVER, JR.

B.S., W. U., 1922; M.D., W. U. S. M., 1923; Asst. in Clin. Med., W. U. S. M.; Asst. Phys., W. U. Disp.; Asst. Phys., B. H.

ALDEN, ARTHUR MAXWELL

A.B., U. of Okla., 1907; A.M., U. of Okla., 1909; M.D., St. L. U., 1915; Surg. to W. U. Disp.; Asst. Prof. of Clin. Oto-Laryngol., W. U. S. M.; Asst. Oto-Laryngol., St. L. C. H. and B. H.

ALEXANDER, HARRY LOUIS

A.B., Williams Coll., 1910; M.D., Columbia U., 1914; Assoc. Prof. Med., W. U. S. M.; Assoc. Phys., B. H. and St. L. M. H.; Phys. to O. P. D.

ALLEN, DUFF SHEDERIC

M.D., W. U., 1919; Asst. Prof. of Surg., W. U. S. M.; Surg. to W. U. Disp.; Visit. Surg., St. L. City H.; Asst. Surg., St. L. C. H. and B. H.

ALVIS, BENNETT YOUNG

B.S., St. L. U., 1916; M.D., St. L. U., 1918; Surg. to W. U. Disp.; Visit. Surg., St. L. City H.; Assoc. Ophthalm., Jewish H.; Instr. Clin. Ophthalm., W. U. S. M.; Asst. Ophthalm., St. L. C. H. and B. H.

ARBUCKLE, MILLARD FILLMORE

M.D., W. U. S. M., 1909; Res. Phys., St. L. Mullanphy H., 1909-10; Instr. in Clin. Laryngol. and Rhinol. and Asst. in Clin. Otol., W. U. S. M.; Bronchoscopist, St. L. City H.; Mem. of Section on Laryngol., Royal Soc. of Med., London, England; Asst. Oto-Laryngol., B. H.

BARNES HOSPITAL

ARTZ, FRANZ

M.D., W. U. S. M., 1926; Asst. Ob. and Gyn., B. H. and St. L. M. H.;
Asst. Ob. and Gyn. to O. P. D., W. U. Disp.

BARR, DAVID PRESWICK

A.B., Cornell U., 1911, and M.D., 1914; Busch Prof. of Med., W. U.
S. M.; Phys.-in-Chief to W. U. Disp.; Visit. Phys., St. L. M. H. and
Jewish H.; Phys.-in-Chief, B. H.

BAUMGARTEN, WALTER

A.B., J. H. U., 1894; M.D., St. L. Med. Coll., 1896; I., Female H. and
St. L. City H., 1896-97; Asst. in Physiol., Harv. Med. Sch., 1897-98;
Asst. in Med., J. H. Med. Sch., 1902-03; Lect. Clin. Chem. and Micros.,
W. U. S. M.; Instr. in Med., 1910-22; Instr. Clin. Med., 1922; Asst.
Phys., B. H.

BECKE, WILLIAM GEORGE

M.D., W. U. S. M., 1923; Asst. in Clin. Med., W. U. S. M.; Asst. Phys.,
B. H.

BLAIR, VILRAY PAPIN

A.M., Christian Bros. Coll., 1890; M.D., St. L. Med. Coll., 1893; I., St. L.
Mullanphy H., 1893-95; Instr. Pract. Anatomy, Assoc. Prof. of Anat-
omy, Clin. Prof. of Surg., W. U. S. M., 1894-1912; Visit. Surg., St.
Luke's H.; Prof. in Clin. Surg., W. U. S. M.; Assoc. Surg., St. L. C.
H., St. L. M. H., and B. H.

BRADLEY, FRANK RICHARD

M.D., W. U. S. M., 1928; I., U. S. V. B. No. 92, June to Oct., 1928;
Asst. Supt., B. H. since Oct. 16, 1928.

BROOKES, HENRY SPENCE, JR.

M.D., W. U., 1917; Asst. Surg., B. H.; Surg. to O. P. D., W. U. Disp.

BROOKS, THEODORE P.

M.D., W. U. S. M., 1909; Instr. in Clin. Orth. Surg., W. U. S. M.; Asst.
Surg., W. U. Disp.; Visit. Surg., St. L. City H.; Asst. Surg., B. H.

BROMBERG, LEON

B.A., Rice Inst., 1920-25; Asst. Phys., B. H.; Phys. to Out-Patient
Dept., W. U. Disp.

BROWN, JAMES BARRETT

M.D., W. U., 1923; Asst. in Clin. Surg., W. U. S. M.; Surg., St. L. C.
H. and B. H.

BROWN, JAMES A.

D.D.S., W. U. Dental Sch., 1903; Instr. Gen. Histol., W. U. Dental
Sch., 1907-17; Dental Consultant, Barnard Free Skin and Cancer H.,
St. Luke's H., and St. L. City H.; Dentist to Dept. of Surg., B. H.

BROWN, T. KENNETH

B.S., U. of Wis., 1921; M.D., 1922; M.D., Wash. U. S. M., 1924; Asst.
Ob., St. L. M. H. and B. H.

BULGER, HAROLD ATEN

B.S., Ohio State U., 1916; M.D., Harvard U., 1920; Asst. Prof. of Med.,
W. U. S. M.; Phys., W. U. Disp.; Asst. Phys., B. H.

REGISTER OF PRESENT MEMBERS OF THE STAFF

BURLINGHAM, LOUIS HERBERT

A.B., Yale, 1902; M.D., J. H. M. S., 1906; I., M. G. M., 1906-07; Asst. Res. Phys. and Asst. Adm., M. G. H., 1907-12; Asst. Supt., P. B. B. H., 1912-17; Lecturer on Hosp. Adm., W. U. S. M.; Adm. of St. L. C. H., 1917-25; Supt., B. H. since 1917.

CADY, LEE DE

A.B., Univ. of Mo., 1918; A.M., W. U., 1921, and M.D., 1922; Asst. in Clin. Neurol.; Asst. Phys., B. H.; Res. Phys., B. H., 1924-25; Instr. in Clin. Med.

CAMPBELL, OLIVER

M.D., Missouri Med. Coll., 1899; Asst. Phys., B. H.; Visit. Phys., St. L. C. H.

CARR, ARCHIE DREYFUS

B.S., W. U., 1918, and M.D., 1921; Instr. in Clin. Neurol., W. U. S. M.; Phys. to W. U. Disp.; Asst. Neurol., B. H.; Assoc. Neurol., Jewish Hosp.; Visit. Neurol., St. L. City Sanit.

CAULK, JOHN ROBERTS

A.B., St. John's Coll., 1901; A.M., 1912; M.D., J. H. M. S., 1906; I., and Second Asst. Res. Surg., J. H. H., 1908-10; Instr. in G. U. Surg., St. Luke's H., Jewish H., St. L. C. H., St. L. M. H.; Collaborating Ed. Surg. Gyn. and Ob., also The Amer. Jour. of Syphilis; Prof. of Clin. G. U. Surg., W. U. S. M.; Chief Clin. for G. U. Surg., W. U. Disp.; Assoc. Surg., B. H.

CLOPTON, MALVERN BRYAN

M.D., U. of Va., 1897; I., J. H. H., Baltimore, 1898-99; Instr. in Clin. Surg., W. U. S. M., 1906-10; Chief of Surg. Clin., O'Fallon Disp., 1907-09; Visit. Surg., St. Luke's H.; Assoc. Surg., St. L. Mullanphy H., 1907-15; Prof. in Clin. Surg., W. U. S. M.; Assoc. Surg., St. L. C. H.; Asst. Surg., B. H.

COLE, WARREN HENRY

B.S., U. of Kans., 1918; M.D., W. U. S. M., 1920; Asst. Prof. Surg., W. U. S. M.; Asst. Surg., St. L. C. H. and St. L. M. H.; Visit. Surg., St. L. City H.; Asst. Surg., W. U. Disp., B. H.; I., Bay View Hosp., Baltimore, 1920-21; I., Asst. Res. and Res. Surg., B. H., 1921-26; Asst. Surg., W. U. Disp.

COLEMAN, WILLIAM G.

A.B., W. U., 1917; M.D., W. U. S. M., 1919; Asst. Dermatol., B. H.; Asst. Phys. to O. P. D., W. U. Disp.; Asst. Dermatol., Barnard Free Skin and Cancer Hosp.; Asst. Dermatol., Jewish Disp.; Dermatol., St. L. City H. No. 1 and No. 2, 1923-24, Unit No. 3.

CONRAD, ADOLPH HENRY

M.D., St. L. U., 1906; Instr. in Clin. Dermatol., W. U. S. M.; Phys. to W. U. Disp.; Visit. Phys., St. L. City H.; Asst. Dermatol., B. H.

COOK, JEROME EPSTEIN

M.D., W. U. S. M., 1905; Asst. Phys., St. L. City H., 1905-06; Prof. of Bact. and Gen. Path., W. U. Dental Sch.; Asst. in Med., W. U. S. M., 1910-14; Phys., Jewish H.; Instr. in Clin. Med., W. U. S. M.; Phys., W. U. Disp.; Asst. Phys., B. H.

BARNES HOSPITAL

COPHER, GLOVER H.

A.B., Univ. of Mo., 1916; M.D., W. U. S. M., 1918; Asst. Res. Surg., B. H., 1918-20; Asst. in Surg., W. U. S. M., and Res. Surg., B. H., 1920-22; Instr. in Surg., Asst. Prof. of Surg., W. U. S. M., 1923-28; Assoc. Prof., 1928; Asst. Surg., B. H., St. L. C. H., St. L. M. H.; Chief of Surg. Clin., W. U. Disp.; Surg. to St. L. City H.

CROSSEN, HARRY STURGEON

M.D., St. L. Med. Coll., 1892; I., St. L. City H., 1892-95; Supt. and Surg. in Charge Female H., 1895-99; Chair. Gyn. Staff of St. L. City H., 1910-12; Gyn.-in-Chief to W. U. S. M.; Gyn. to St. Luke's H. and St. L. M. H.; Gyn. to B. H.

CROSSEN, ROBERT J.

A.B., Oberlin Coll., 1921; M.D., W. U. S. M., 1925; I., B. H., 1925-26; Res. O. B., B. H., July, 1926-Jan., 1927; Asst. Res. Surg., Jan., 1927-July, 1927; Surg., W. U. Disp.; Asst. Gyn., B. H.; Asst. Gyn. and Obst., St. L. M. H.

COSTEN, JAMES B.

A.B., U. of Ark., 1916; M.D., W. U., 1922; Clin. Asst. Oto-Laryngol., B.H., 1924-25; Asst. Oto-Laryngol., St. L. C. H. and M. H., 1925.

DAY, ANTHONY BIGELOW

B.S., Harv. U., 1918; M.D., W. U., 1919; Phys., W. U. Disp.; Asst. in Clin. Med.; Asst. Phys., B. H.

DAVIS, CHARLES LUDVEY

M.D., St. L. U., 1908; Instr. in Clin. Oto-Laryngol.; Asst. Oto-Laryngol., St. L. C. H.; Surg., W. U. Disp.; Visit. Surg., St. L. City H.; Asst. Oto-Laryngol., B. H.; Consultant, Barnard Free Skin and Cancer Hosp.

DAVIS, MYRON W.

M.D., W. U. S. M., 1925; Asst. Surg., B. H.; Asst. in Clin. Surg., W. U. S. M.

DEAKIN, ROGERS

Asst. in Clin. Surg., W. U. S. M.; Asst. Surg. to O. P. D., W. U. Disp.; Asst. Surg., B. H.; Visit. Surg., St. L. City Hosp.; Asst. in Clin. Surg., W. U. S. M.; Surg., St. L. C. H. and B. H.

DEAN, LEE WALLACE

Univ. of Iowa, 1894; M.S., M.D., 1896; Oto-Laryngol.-in-Chief, B. H., St. L. C. H., St. L. M. H.; Oto-Laryngol.-in-Chief and Chief of Oto-Laryngol. Clin., W. U. Disp.

DIECKMAN, WILLIAM J.

B.S., W. U., 1920; M.D., W. U. S. M., 1922; Ob. I., B. H., 1922-23; Res. Ob., B. H., 1923-24; Asst. in Ob., W. U. S. M., 1923-24; Instr. in Ob., W. U. S. M., 1924-28; Clin. Asst., B. H., 1924-25; Asst. Ob., B. H., 1925; Asst. Ob., St. L. M. D., 1927.

DORSETT, EDWARD LEE

M.D., St. L. U., 1906; Instr. in Clin. Ob., W. U. S. M.; Visit. Ob., St. L. M. H., St. L. City H.; Visit. Gyn. and Ob., Evangelical Deaconess H., Mo. Baptist San., St. Luke's H.; Ob., W. U. Disp.; Asst. O. B., B. H.; Asst. Phys., St. L. City H., 1906-07; Instr. Ob., St. L. U. Sch. Med., 1908-16.

REGISTER OF PRESENT MEMBERS OF THE STAFF

DRABKIN, CHARLES

A.B., Stanford U., 1922; M.D., W. U. S. M., 1922; Ob. I., 1924-25; Res. Ob., 1925-26; I., Jewish H., St. Louis, Mo., 1926-27; Asst. in Ob., W. U. S. M.

EHRENFEST, HUGO

M.D., U. of Vienna, 1894; Asst. Prof. Clin. Ob., W. U. S. M.; Ob., B. H.

ELMAN, ROBERT

B.S., Harv. U., 1919; M.D., John Hopkins U., 1922; Asst. Surg., B. H.; Visit. Surg. to St. L. C. H.; Instr. in Surg., B. H.

ELMER, WARREN PHILO

M.D., U. of Mich., 1903; B.S., St. L. U., 1906; Asst. in Med., U. of Mich., 1903-05; Prof. of Med., St. L. U., 1913-22; Assoc. Prof. of Clin. Med., W. U. S. M.; Asst. Phys., B. H.; Consult. Staff, Jewish Hosp.; Phys. in Charge, Mo. Pac. Hosp.

ENGMAN, MARTIN FEENEY

M.D., U. of N. Y., 1891; M., N. Y. Skin and Cancer H. and Gouverneur H., N. Y., 1891-93; Lect. on Dermatol., N. Y. Post Grad. Med. Sch., 1894; Lect. on Dermatol., St. L. U., 1910-12; Asst. in Skin Dept., Demilt Disp. and Vanderbilt Clin., N. Y., 1894; Mem. of Hosp. Board, City of St. Louis, 1912; Pres. of Med. Board, Barnard Free Skin and Cancer H.; Clin. Prof. of Dermatol., W. U. S. M.; Dermatol. to St. L. C. H.; Dermatol.-in-Chief, W. U. Disp.; Visit. Phys., St. L. City H.; Dermatol., B. H.

ERLANGER, JOSEPH

B.S., U. of Cal., 1895; M.D., J. H. U., 1899; Res. H. O., J. H. H., 1899-1900; Fellow in Path.; Asst. Instr. Assoc. and Assoc. Prof. of Physiol., J. H. U., 1900-06; Prof. of Physiol., U. of Wis., 1906-10; Mem. Nat'l Acad. of Sci. and Amer. Philosoph. Soc.; Prof. Physiol., W. U. S. M.; Physiol., B. H.

EWERHARDT, FRANK HENRY

M.D., W. U. S. M., 1910; Asst. in Anatomy, W. U. S. M., 1913-14; Surg. to W. U. Disp.; Asst. Prof. Physical Therapeutics, W. U. S. M.; Phys. in Charge of Physical Therapeutics Dept., B. H.

EYERMANN, CHARLES HERMANN

M.D., St. L. U., 1911; I. and Asst. Res. Phys., 1911-13; Res. I., St. L. City H., 1915; Instr. in Clin. Med., W. U. S. M.; Phys., W. U. Disp.; Asst. Phys., B. H.

FISCHEL, WALTER

A.B., Harv., 1902; M.D., W. U. S. M., 1905; Asst. Phy., St. L. City H., 1905-06; Clin. Asst., 1908-09; Phys. to Out-Patients, W. U. Hosp., 1909-14; Asst. in Clin. Med., W. U. S. M., 1909-19; Visit. Phys., St. Luke's H.; Instr. Clin. Med., W. U. S. M.; Visit. Phys., St. L. City H.; Phys., W. U. Disp.; Asst. Phys., B. H.

FISHER, ARTHUR OSCAR

A.B., U. of Wis., 1905; M.D., J. H. M. S., 1909; Res. H. O. and Asst. Res. Surg., J. H. H., 1909-11; Asst. Instr. and Assoc. in Clin. Surg., W. U. S. M., 1911-26; Asst. Prof. Clin. Surg., W. U. S. M.; Asst. Surg., St. L. C. H. and St. L. M. H.; Surg., W. U. Disp.; Asst. Surg., B. H.

FREIMUTH, LOUIS E.

B.S., St. L. U., 1922; M.D., 1923; Asst. Oto-Laryngol., B. H. and St. L. C. H.; Asst. Surg. to O. P. D., W. U. Disp.

BARNES HOSPITAL

GASSER, HERBERT SPENCER

A.B., Univ. of Wis., 1910, and A.M., 1911; M.D., J. H. U., 1915; Prof. of Pharm., W. U. S. M.; Pharm., St. L. C. H. and B. H.

GAUNT, FRANK P.

A.B., U. of Mo., 1906; M.D., Harvard, 1911; Surg. I., M. G. Hosp., 1911-13; Fellow Mayo Clin., 1918-20; Fellow Rockefeller Foun., 1918; Asst. Surg., Nanking U. Med. Sch., 1913-15; Surg. Wuhn General Hosp., Wuhn, China; Med. Dir. and Surg., Emergency Hosp., Milwaukee, 1926; Staff, B. H., 1928.

GAY, LEE P.

A.B., U. of Mo., 1916; M.D., W. U. S. M., 1918; M. I., B. H., 1919-20; Asst. Res. Phys., B. H., 1920-21; Asst. Phys., W. U. Disp.; Mem. Jr. Staff, St. Luke's H.; Asst. Phys., B. H.

GILLILAND, CHARLES EDWARD

B.S., Univ. of Texas, 1917; M.D., Univ. of Kans., 1911; Asst. Phys., B. H., 1917-18; Res. Phys., B. H., 1918; Resigned May 1, 1919; I., St. Margaret's Hosp., Kansas City, 1911-12; Gastro-Enterol., Frisco Hosp.; Visit. Phys., St. L. C. H.

GOLDMAN, ALFRED

A.B., W. U., 1916; M.D., W. U. S. M., 1920; Res. Path., B. H., 1920-21; Asst. Res. Phys., 1921-22; Res. Phys., 1922-24; Phys., B. H.

GORHAM, FRANK DEVORE

A.B., Ind. U., 1910; M.D., W. U., 1912; Instr. in Clin. Med., W. U. S. M.; Phys., W. U. Disp.; Asst. Phys., B. H.

GOULD, VICTOR LEIGHTON

A.B., U. of Ill., 1921; M.D., W. U., 1926; Asst. Ob., W. U. S. M.; Asst. Ob., B. H.

GRAHAM, EVARTS AMBROSE

A.B., Princeton, 1904; M.D., Rush Coll., 1906; I., Presby. H., Chicago, 1907-08; Fellow in Path., Rush Med. Coll., 1906-07; Fellow Asst. and Instr. in Surg., Rush Med. Coll., 1908-19; Mem. Staff, O. S. A. Sprague Memorial Instit. for Clin. Research, Chicago, 1912-15; Co-ed of Archives of Surg.; Major, M. C., U. S. Army; Mem. of Empyema Commission; Com. Officer, Evacuation H. No. 34, France; Prof. of Surg., W. U. S. M.; Surg.-in-Chief to St. L. C. H. and W. U. Disp.; Consult. Surg., St. L. City H.; Surg.-in-Chief, B. H.

GRANT, SAMUEL BECKER

B.S., W. U., 1918; M.D., 1920; Instr. in Clin. Med., W. U. S. M.; Asst. Phys., B. H.

GRAY, SAMUEL HAROLD

A.B., Columbia U., 1920; M.D., Columbia U., 1923; Instr. in Path., W. U. S. M.; Asst. Path., St. L. C. H. and B. H.

GREDITZER, HARRY G.

M.D., W. U., 1912; Instr. Urolog., W. U. S. M.; Asst. Urolog., St. L. C. H.; Surg. to W. U. Disp.; G. U. Clin., W. U. Disp.; Visit. Urolog., St. L. City H.; Asst. Urolog., Jewish H. and St. L. M. H.; Asst. Surg., B. H.

HANSEL, FRENCH KELLER

M.D., St. L. U., 1918; M.D., U. of Minn., 1923; Instr. in Otol-Laryngol., W. U. S. M.; Asst. Oto-Laryngol., St. L. C. H.; Asst. Surg., W. U. Disp.; Visit. Surg., St. L. City H.; Consult., St. L. Isol. Hosp.; Asst. Oto-Laryngol., B. H.

REGISTER OF PRESENT MEMBERS OF THE STAFF

HANSON, WILLIAM LUDWIG

M.D., W. U., 1913; Asst. in Clin. Oto-Laryngol., W. U. S. M.; Asst. Oto-Laryngol., St. L. C. H.; Surg. to W. U. S. M.; Asst. Oto-Laryngol., B. H.

HARDY, WILLIAM FREDERIC

M.D., W. U. S. M., 1901; I., St. L. City H., 1901-02; Asst. and Instr. in Clin. Ophthalmol., W. U. S. M., 1917-20; Assoc. in Clin. Ophthalmol., W. U. S. M.; Surg. to W. U. Disp.; Asst. Ophthalmol., B. H.

HEIDEMAN, MILO LAWRENCE

A.B., W. U., 1918; M.D., W. U. S. M., 1923; Asst. in Clin. Med., W. U. S. M.; Asst. Phys., W. U. Disp.; Asst. Phys., B. H.

HEINBECKER, PETER

B.A., McGill Univ., 1918; M.D., 1921; Asst. Surg., B. H.; Visit. Surg., St. L. C. H.

HOOVER, WALTER

M.D., W. U. S. M., 1922; Oto-Laryngol., 1923-25; I., July, 1924-25; Asst. Oto-Laryngol., April 2, 1928-Oct., 1928; Lahey Nose and Throat Clinic, Boston, Mass., since 1928.

HOURN, GEORGE EDWIN

D.D.S., U. of Minn., 1903; M.D., W. U., 1913; Asst. Oto-Laryngol., St. L. C. H.; Asst. in Clin. Oto-Laryngol., W. U. S. M.; Surg. to W. U. Disp.; Asst. Oto-Laryngol., B. H.

HOWARD, HARVEY J.

A.B., Univ. of Mich., 1904; M.D., Univ. of Pa., 1908; A.M., Harvard Univ., 1917; Oph.D., Univ. of Colo., 1918; Res., Bryn Mawr Hosp., 1908; N. Y. Eye and Ear Infirm., 1909-10; Oph. Surg. and Head of Dept. Oph., Univ. Med. Sch., Canton, China, 1910-13; Oph. Surg., Canton Hosp., 1913-15; Fellow China Med. Board of Rockefeller Found., 1916-18 at Harvard Univ.; In Charge of Oph. Research Med. Res. Lab., Hazelhurst Field, Mineola, 1918-19; Prof. and Head of Dept. of Oph., Peking Union Med. Coll., 1918-27; Fellow Amer. Coll. of Surg.; Adviser to Chinese Gov't in Med. Aviation, 1919-23; Fellow of China Med. Board at Vienna Univ., 1923-24; Assoc. Ed., China Med. Jour., 1923-27; Prof. of Oph., W. U., 1927; Oph.-in-Chief, B. H., St. L. C. H., W. U. Disp.

HOWARD, FRANCIS CLEMENT*

A.B., U. of Mo., 1915; M.D., W. U. S. M., 1919; Asst. Oto-Laryngol., St. L. C. H.; Asst. in Clin. Oto-Laryngol., W. U. S. M.; Asst. Surg., W. U. Disp.; Asst. Oto-Laryngol., B. H.

JACOBS, MAX WILLIAM

A.B., W. U., 1902; M.D., W. U., 1905; Asst. Prof. Clin. Oph., W. U. S. M.; Asst. Oph., St. L. M. H.; Surg., W. U. Disp.; Asst. Oph., B. H.

JOEDICKE, HARRY

D.D.S., W. U., 1924; Asst. Dent., B. H., 1926.

JONES, ANDREW B.

M.D., Vanderbilt U., 1916; M. I., B. H., 1919-20; Asst. Res. Phys., B. H., 1920-21; Instr. in Psychiatry, U. of Mich., 1921-22; Instr. in Neuro-Path., W. U. S. M., 1922; Assoc. in Neur., Jewish H.; Neur. and Psych., St. L. City H.; Visit. Neur., Glenwood San.; Asst. Neur., B. H.

* Died January 12, 1930.

BARNES HOSPITAL

JOSTES, FREDERICK A.

B.S., W. U., 1918; M.D., W. U. S. M., 1920; Asst. Surg., St. L. C. H. and Ridge Farm; Surg., W. U. Disp.; Prof. of Orthop. Surg., U. of Mo.; Chief Surg., Mo. Crippled Children's Service; Asst. Surg., B. H.

KEY, JOHN ALBERT

M.D., J. H. U., 1918; Asst. Prof. of Clin. Orthop. Surg., W. U. S. M.; Dir. Research, Shriners' Hospital; Asst. Surg., B. H.

KLEMME, ROLAND METZLER

M.D., W. U., 1921; Asst. in Clin. Neur. Surg., W. U. S. M.; S. I., B. H., 1921-22; Asst. Res., B. H., 1922-24; Fellow in Neur. Surg., 1924-25; Asst. Neur. Surg., Jewish H.; Visit. Neur. Surg., St. L. City H.; Asst. Surg., St. L. C. H. and B. H.

KOUNTZ, WILLIAM

M.D., W. U. S. M., 1926; Asst. Phys., B. H.; Phys. to O. P. D., W. U. Disp.; Instr. in Med., W. U. S. M.

KREBS, OTTO ST. CLAIR

B.S., W. U., 1917; M.D., W. U. S. M., 1919; O. and G. I., B. H., 1918-19; Asst. Res. O. and G., 1919-20; Asst. in Clin. Ob., W. U. S. M.; Res. O. and G., 1920-21; Instr. Ob., 1922-23; Instr. in Clin. Ob., 1923; Asst. Ob., B. H., 1923-28; Asst. G., B. H., 1928; Asst. G., St. Luke's Hosp., 1926; Asst. O., St. L. M. H.

LARIMORE, JOSEPH WILLIAM

A.B., DePauw U., 1908; M.D., W. U. S. M., 1913; Asst. Prof. Clin. Med., W. U. S. M.; Asst. Roentgen. and Asst. Phys., B. H.

LAWRENCE, JOHN VINCENT

B.S., U. of Chicago, 1917; M.D., Rush Coll., 1924; Asst. Prof. Med., W. U. S. M.; Asst. Phys., B. H.

LIGGETT, HIRAM SHAW

M.D., W. U. S. M., 1920; Asst. in Clin. Med., W. U. S. M.; Phys., W. U. Disp.; Asst. Phys., B. H.

LOEB, LEO

M.D., Zurich, 1896; Edward Mallinckrodt Prof. Path., W. U. S. M.; Path., St. L. C. H. and B. H.

LUTEN, DREW W.

A.B.; State Univ. of Ky., 1901; M.D., J. H. U., 1911; I., St. Francis H., Pittsburgh, 1911-12; Asst. in Med., W. U. S. M., 1915-17; Asst. Res. Phys. and Res. Phys., B. H., 1914-17; Asst. Prof. of Clin. Med., W. U. S. M., Consult. Phys., Frisco Hosp.; Asst. Phys., B. H.

LYMAN, HARRY WEBSTER

M.D., St. L. Coll. of Phys. and Surgs., 1895; L., Woman's H., 1895-96; Clin. Clerk, London H., 1900; Asst., St. L. Coll. of Phys. and Surgs., 1895-96; Consult. Otol., Rhinol. and Laryngol., St. L. City H., 1905-10; Demonstrator and Prof. of Anat., St. L. Coll. of Phys. and Surgs., 1900-07; Asst. in Otol., W. U. S. M., 1914-16; Instr. in Clin. Otol., W. U. S. M., 1916-19; Visit. Consult. in Diseases of Ear, Nose and Throat, W. U. Public Health Serv. H. No. 35; Oto-Laryngol., St. L. Shriners' H.; Assoc. in Clin. Otol., W. U. S. M.; Asst. Prof. Clin. Oto-Laryngol., W. U. S. M.; Surg., W. U. Disp.; Assoc. Otol., St. L. C. H. and B. H.

REGISTER OF PRESENT MEMBERS OF THE STAFF

MOOK, WILLIAM HEWSON

M.D., Beaumont Med. Coll., 1900; I., St. L. City H., 1900-01; and N. Y. Skin and Cancer H., 1903-05; Assoc. Prof. of Dermatol., St. L. U., 1910-12; Visit. Dermatol., St. L. City H., 1910-12, 1914-20; Attend. Phys., Barnard Free Skin and Cancer H.; Dermatol., Mo. Pac. Ry. H.; Instr. in Clin. Dermatol., St. L. C. H.; Chief of Dermatol. Clin., W. U. Disp.; Consult. Dermatol., St. L. M. H., St. Luke's H., Jewish H., Frisco Ry. H., Mo. Baptist Hosp., Shriners' H., Vet. H. No. 92, and Vet. Bureau Disp.; Asst. Dermatol., B. H.

MUCKENFUSS, RALPH

B.S., Emory Univ., 1919, and M.D., 1921; Asst. Phys. to B. H.; Asst. Phys. to O. P. D., W. U. Disp.

MOORE, SHERWOOD

M.D., W. U. S. M., 1905; I., St. L. City H., 1905-06; Res., W. U. H., 1906-08; Instr. in Ob., W. U. S. M., 1907-09; Asst. in Surg., St. L. C. H., 1910-13; House Phys., M. G. H., X-Ray Dept., 1916-17; Radiolog., St. L. M. H. and St. L. C. H.; Dir. Radiol. Lab., B. H., 1917.

McMAHON, BERNARD JOHN

A.B., St. L. U., 1913, and M.D., 1917; M.Sc., U. of Pa. Grad. Sch. of Med., 1926; Asst. in Clin. Oto-Laryngol., W. U. S. M.; Asst. Oto-Laryngol., St. L. C. H.; Surg., W. U. Disp.; Consult. Bronchoscopist, St. L. City H.; Jr. Oto-Laryngol., St. Luke's H.; Instr. in Clin. Oto-Laryngol., W. U. S. M.

McNALLEY, FRANK POWELL

B.S., W. U., 1915; M.D., 1917; Instr. in Clin. Ob., W. U. S. M.; Ob., W. U. Disp.; Asst. Ob., B. H.; Asst. Ob. and Gyn., B. H.; Assoc. Ob. and Gyn., St. L. M. H.

NEWELL, QUITMAN UNDERWOOD

M.D., U. of Ala. Med. Sch., 1911; I., Infirm., Mobile, Ala., 1911; H. O., 1911-12; Res. Ob. and Gyn., W. U. H., 1912-14; Asst. in Clin. Ob., W. U. S. M., 1914-21; Surg., W. U. Disp., 1914-21; Instr. Clin. Gyn., W. U. S. M., 1921-25; Asst. Ob. and Gyn., B. H., 1918-21; Chief Gyn., W. U. Disp.; Asst. Prof. Gyn., W. U. S. M.; Asst. Gyn., St. L. C. H.; Assoc. Gyn., St. Luke's H.; Asst. Gyn., B. H.

OLMSTED, WILLIAM HARWOOD

B.S., Coe Coll., 1909; M.D., J. H. U., 1913; I., W. U. H., 1913-14; Asst. Res. Phys., B. H., 1914-17; Asst. Prof. in Clin. Med., W. U. S. M.; Phys., W. U. Disp.; Asst. Phys., B. H.

O'KEEFE, CHARLES DARREL

A.B., U. of Mo., 1916; M.D., W. U. S. M., 1918; O. and G. I., B. H., Sept., 1919-20; Res. O. and G., B. H., 1920-22; Surg., W. U. Disp.; Asst. Gyn., St. Luke's H., St. L. M. H., and B. H.

OLCH, ISAAC Y.

Ph.B., Brown U., 1917; M.D., J. H. U., 1921; Instr. in Surg. and Asst. in Gyn., W. U. S. M.; Asst. Surg., St. L. C. H. and B. H.

O'REILLY, JAMES ARCHER

A.B., Harv., 1902; M.D., 1906; I., Carney H., Boston, 1906-07; Asst. in Orth Clin., C. H., Boston; Instr. in Orth. Surg., St. L. U. Med. Sch., 1907-11; Orth. Surg., St. John's H., Rebekah H., and Mt. St. Rose H.; Assoc. in Clin. Orth., W. U. S. M.; Visit. Surg., St. L. City H. and W. U. Disp.; Asst. Surg. to St. L. C. H. and B. H.

BARNES HOSPITAL

PADDOCK, RICHARD

M.D., W. U., 1921; Instr. in Clin. Ob., W. U. S. M.; Chief of Ob. Clin., W. U. Disp.; Asst. Ob., B. H.

PAYNE, RICHARDSON JOHNSON

M.D., St. L. U., 1913; Asst. in Clin. Oto-Laryngol., W. U. S. M.; Asst. Oto-Laryngol., St. L. C. H.; Surg., W. U. Disp.; Asst. Oto-Laryngol., B. H.

POST, LAWRENCE TYLER

A.B., Yale U., 1909; M.D., J. H. U., 1913; Asst. Prof. of Clin. Oph., W. U. S. M.; Asst. Oph., St. L. C. H.; Surg., W. U. Disp.; Asst. Oph., B. H.

POST, MARTIN HAYWARD

A.B., Amherst Coll., 1908; M.D., J. H. U., 1912; Asst. Prof. Clin. Oph., W. U. S. M.; Surg., W. U. Disp.; Visit. Surg., St. L. City H.; Asst. Oph., B. H.

PROETZ, ARTHUR WALTER

A.B., W. U., 1910; M.D., 1912; Asst. Prof. Clin. Oto-Laryngol., W. U. S. M.; I. and Res., St. L. City H., 1912-14; Asst. Oto-Laryngol., St. L. C. H.; Chief of the Oto-Laryngol. Clin., W. U. Disp., 1924-27; Bronchoscop., St. L. City H.; Assoc. Oto-Laryngol., Jewish H.; Visit. Oto-Laryngol., St. L. Mullanphy H.; Asst. Oto-Laryngol., B. H.

RAINEY, WARREN ROBERT

M.D., Northwestern U. Med. Sch., 1910; I. and Res., Mercy H., Chicago, 1910-13; Instr. in Clin. Surg., W. U. S. M.; Clin. Asst. to St. L. C. H.; Surg., W. U. Disp.; Visit. Surg., St. L. City H.; Asst. Surg., B. H.

ROBLEE, MELVIN A.

B.S., W. U., 1923; M.D., W. U. S. M., 1925; Res. Ob., July 1, 1927-Aug. 15, 1927.

ROSE, DALTON KEATS

M.D., W. U., 1915; M. I., B. H., 1915; S. I., B. H., 1916; Asst. Res. Surg., 1917; Asst. Prof. Clin. G. U. Surg., W. U. S. M.; Asst. Urol., St. L. C. H.; Asst. Surg., St. L. M. H.; Assoc. Urol., Jewish H.; Surg., W. U. Disp.; Asst. Surg., B. H.

ROYSTON, GRANDISON DELANEY

M.D., W. U. S. M., 1907; Jr. and Sr. Ob. Res., W. U. Hosp., 1907-09; Asst. in Ob., W. U. S. M., 1913-15; Asst. Supt., St. L. Female H., 1910; Mem. Med. Staff, St. L. M. H.; Instr. in Clin. Ob., W. U. S. M.; Chief of Ob. and Gyn. Clin., W. U. Disp., 1914-25; Asst. Prof. in Clin. Ob., W. U. S. M., 1926; Asst. Ob., B. H.

RUSK, HOWARD

A.B., Univ. of Mo., 1923; M.D., Univ. of Pa., 1925; Asst. Phys., B. H.; Phy. to O. P. D., W. U. Disp.

SACHS, ERNEST

A.B., Harv., 1900; M.D., J. H. U., 1904; I., Mt. Sinai H., N. Y., 1904-07; Clin. Clerk, Nat'l H., London, 1908; Attend. Neurol. Surg. to Montefiore Home and Beth Israel H.; Adjunct. Asst. Attend. Surg. to Bellevue H., N. Y., 1909-11; Assoc. Prof. of Surg., W. U. S. M., 1911-19; Assoc. Surg. in Charge of Neurol. Surg., Jewish H.; Surg. to W. U. S. M.; Assoc. Surg. to St. L. C. H., St. L. M. H., and B. H.

SALE, LLEWELLYN

M.D., W. U., 1907; Instr. in Clin. Med., W. U. S. M.; Phys., W. U. Disp.; Asst. Phys., B. H.

REGISTER OF PRESENT MEMBERS OF THE STAFF

SANFORD, J. HOY

M.D., Tulane U., 1908; I., Charity Hosp., New Orleans, La., 1906-08; Asst. in Clin. Surg., W. U. S. M.; Visit. Urol., St. Luke's H.; Asst. Surg., B. H. and St. L. C. H.

SCHLOSSSTEIN, ADOLPH GEORGE

M.D., St. L. Med. Coll., 1894; I., St. L. City H. and Female H., and Phys. to City Disp., 1894-96; I., Frauenklinik Munchen, 1897; Clin. Asst. Instr. and Lect., W. U. S. M., 1899-1912; Asst. in Clin. Ob., W. U. S. M.; Surg., W. U. Disp.; Asst. Ob., B. H.

SCHULTZ, WILLIAM FREDERICK

D.M.D., Mo. Dental Coll., 1895; M.D., Mo. Med. Coll., 1896; LL.B., Benton Coll. of Law, 1900; and LL.M., 1907; Asst. Oto-Laryngol., B. H. and St. L. C. H.; Asst. Surg. to O. P. D., W. U. Disp.

SCHWAB, SIDNEY ISAAC

M.D., Harvard, 1896; Prof. of Nervous and Mental Diseases, St. L. U., 1904-12; Non-Res. Lect. on Nervous and Mental Diseases, Univ. of Mo. Sch. of Med., 1909-10; Assoc. in Neurol. and Assoc. Prof. of Clin. Neurol., W. U. S. M., 1913-19; Visit. Neurol., St. L. City H. and San., 1909-13; Neurol., Jewish H.; Prof. Clin. Neurol., W. U. S. M.; Consult. Phys., St. L. City H. and City San.; Chief Neurol. Clin., W. U. Disp.; Neurol., St. L. C. H., St. L. M. H., and B. H.

SCHWARTZ, FREDERICK OSCAR

M.D., W. U., 1910; Asst. Prof. Clin. Ophthalm., W. U. S. M.; Surg., W. U. Disp.; Visit. Surg., St. L. City H.; Asst. Ophthalm., B. H.

SCHWARZ, HENRY

M.D., St. L. Med. Coll., 1879, and Univ. of Giessen, 1880; Res. Phys., Recurrent Fever H.; Giessen, 1879-80; Asst. Phys. and Tutor Dept. of Ob., Univ. of Giessen, 1880-81; Univ. of Heidelberg, 1881-83; Clin. Lect. on Gyn., 1886-89, and Clin. Prof. of Gyn., St. L. Med. Coll., 1889-99; Prof. of Ob., 1899-1908, and Prof. of Ob. and Gyn., W. U. S. M., 1908-12; Clin. Prof. of Ob. and Ob.-in-Chief, B. H. and W. U. Disp.; Consult. Surg., St. L. City H., 1914-21; Prof. Emer. of Ob. and Gyn., W. U. S. M.; Consult. in Ob., St. L. M. H. and B. H., 1921.

SCHWARZ, OTTO HENRY

M.D., W. U. S. M., 1913; I., St. L. C. H., 1913, and W. U. H., 1914; Res. Ob., B. H., 1914-15; Assoc. Prof. of Ob., W. U. S. M., 1921-27; Prof. Elect. of Ob., 1927; Ob.-in-Chief, W. U. Disp. and B. H.

SEELIG, MAJOR GABRIEL

A.B., Harv. U., 1896; M.D., Columbia U., 1900; Prof. of Clin. Surg., W. U. S. M.; Asst. Surg., B. H.

SHAFFER, PHILIP ANDERSON

A.B., W. Va. U., 1900; Ph.D., Harv., 1904; Res. Asst. Path. Chem., McLean H., Waverly, Mass., 1900-03; Asst. Fellow and Instr. in Chem. Path., Cornell U., 1904-10; Chem. to Huntington Fund for Cancer Research, 1906-10; Path. Chem. and Head of Chem. Section of Lab. of Bellevue H., 1909-10; Dean, W. U. S. M., 1915-19; Prof. of Biol. Chem., W. U. S. M.; Chem., B. H.

SHAHAN, WILLIAM EWING

A.B., W. U., 1901; M.D., 1904; A.M., 1912; Prof. of Clin. Ophthalm., W. U. S. M.; Ophthalm., St. L. C. H.; Assoc. Chief of Ophthalm. Clin., St. L. M. H.; Ophthalm., B. H.

BARNES HOSPITAL

SLUDER, GREENFIELD*

M.D., St. L. Med. Coll., 1888; I., St. L. City H., 1888-92; Instr. in Urolog. and in Clin. Med., 1891-98; Lect. on Laryngol., St. L. Med. Coll., 1898-99; Med. Dept. of W. U., 1899-1905; Mem. of Staff of St. Luke's H. and Barnard Free Skin and Cancer H.; Clin. Prof. of Oto-Laryngol., W. U. S. M.; Laryngol., St. L. C. H. and W. U. Disp.; Consult., St. L. Jewish H.; Laryngol., B. H.

SINGER, JACOB JESSE

M.D., W. U., 1904; Assoc. Prof. of Clin. Med., W. U. S. M.; Asst. Phys. to St. L. C. H. and B. H.

SMITH, ELSWORTH STRIKER

A.B., St. L. U., 1884; A.M., 1888; M.D., St. L. Med. Coll., 1887; I., Asst. Phys. and Asst. Supt., St. L. City H., 1887-90; Demonstrator in Anatomy; Instr. in Phy. Diag. and Asst. Phys. to Med. Clin., St. L. Med. Coll., 1889-99; Phys. to St. Luke's H.; Consult. Phys., St. John's H., Barnard Free Skin and Cancer H., Frisco H., and St. L. M. H.; Prof. Clin. Med., W. U. S. M.; Asst. Phys., B. H.

SMITH, ODA OSCAR

M.D., W. U. S. M., 1911; Asst. in Clin. Gyn., W. U. S. M.; Surg., W. U. Disp.; Asst. Gyn., B. H.

SPIVY, RAYMOND MILLS

M.D., W. U. S. M., 1907; Instr. in Clin. Gyn., W. U. S. M.; Visit Surg., St. L. City H.; Asst. Ob., St. L. M. H.; Asst. Gyn., B. H.; Asst. Ob. and Gyn., B. H.

SPOTTS, WILLIAM B.

D.D.S., W. U. Dental Sch., 1917; Dentist to Dept. of Int. Med., W. U. Disp.; Dentist, B. H.

STEWART, JOSEPH EDGAR

M.D., U. of Pa., 1914; S. I., B. H., 1914-15; Surg. to W. U. Disp., 1915-20; Instr. in Clin. Orth. Surg., W. U. S. M.; Surg., W. U. Disp.; Asst. in Clin. Orth. Surg., B. H.

STONE, CHARLES ALLEN

B.S., Blackburn Coll., 1904; M.D., W. U., 1908; Asst. Prof. of Clin. Orth. Surg., W. U. S. M.; Asst. Surg., St. L. C. H.; Surg., W. U. Disp.; Asst. Surg., B. H.

STRAUSS, ARTHUR EDGAR

B.S., Harv. U., 1912; M.D., 1917; Instr. in Clin. Med., W. U. S. M.; Chief of Med. Clin., W. U. Disp.; Asst. Phys., B. H.; Assoc. Phys., Jewish Hosp.; Consult., Jewish Hosp. Disp.

TAUSSIG, ALBERT ERNEST

A.B., Harv., 1891; M.D., St. L. Med. Coll., 1894; I., St. L. City H., 1894-95; Prof. of Physiol., 1909; Clin. Prof. Med., 1910-12; Assoc. in Med., W. U. S. M., 1912-14; Phys., Jewish H.; Assoc. Prof. of Clin. Med., W. U. S. M.; Asst. Phys., B. H.

TAUSSIG, FREDERICK JOSEPH

A.B., Harv., 1893; M.D., St. L. Med. Coll., 1898; I. and Asst. Supt., Female H., St. Louis, 1898-1901; Instr. and Lect. in Gyn., W. U. S. M., 1906-09; Clin. Asst., 1906-08; Surg. to Out-Patients, 1909-11; Chief of

* Died, October 9, 1928.

REGISTER OF PRESENT MEMBERS OF THE STAFF

Gyn., Out-Patients Clin., W. U. H., 1912-14; Gyn., Barnard Free Skin and Cancer H.; Consult. Ob., St. L. M. H., W. U. S. M.; Gyn. Ob., Jewish H.; Prof. of Clin. Ob., W. U. S. M.; Asst. Prof. Clin. Gyn., W. U. S. M.; Visit. Surg., St. L. City H.; Asst. Gyn., B. H.

TERRY, ROBERT JAMES

M.D., Mo. Med. Coll., 1895; I., St. L. Female Hosp., 1896; A.B., W. U., 1901; Austin Fellow, Harv. M. S., 1906-07; Prof. Anatomy, W. U. S. M.; Anthropol., St. L. C. H. and B. H.; Dean Officers, School of Oral Plastic and Neuro. Surg., Established by Surg. Gen., U. S. Army, 1917.

THOMPSON, LAWRENCE DORLAND

B.S., Rutgers Coll., 1917; M.D., Cornell U., 1922; Asst. Prof. in Clin. Med., W. U. S. M.; Asst. Phys., B. H.

VANDERLEEK, PETER*

M.D., Hahnenmann M. C., 1922; Asst. Oto-Laryngol., B. H. and St. L. C. H.; Asst. Surg. to O. P. D., W. U. Disp.

VAN METER, EUGENE

M.D., Wash. U., 1905; Asst. Oto-Laryngol., B. H. and St. L. C. H.; Surg. to O. P. D., W. U. Disp.; Instr. in Clin. Oto-Laryngol.

VAUGHAN, JOHN RUSSELL

M.D., W. U. S. M., 1910; Instr. in Clin. Gyn., W. U. S. M.; Surg., W. U. Disp.; Visit. Surg., St. L. City H.; Asst. Ob., St. L. M. H.; Asst. Gyn., B. H.

WEISS, RICHARD SIMON

M.D., W. U., 1909; Instr. in Clin. Dermatol., W. U. S. M.; Phys., W. U. Disp.; Visit. Phys., St. L. City H.; Asst. Dermatol., St. L. C. H. and B. H.; I., St. L. C. H., 1909-10; Visit. Phys., St. L. City H., 1914-15; Visit. Phys., St. L. Isolation H., 1918 to date; Visit. Phys., St. L. C. San., 1918-24; Consult. Phys., St. L. C. San., 1924 to date; Visit. Phys., Koch Hosp., 1925 to date; Assoc. in Dermatol., Barnard Free Skin and Cancer Hosp., 1928 to date; Dermatol., Lutheran Hosp., 1918 to date; Dermatol., Lutheran Orphans' Home, 1924 to date; Asst. Dermatol., Jewish Hosp.; 1921-25; Assoc. Dermatol., Jewish Hosp., 1926-27; Dermatol., Jewish Hosp., 1928 to date; Consult. in Dermatol., Out-Patient Dept., Jewish Hosp., 1928 to date; Dermatol., Jewish San., 1923 to date; Clin. Asst., Dept. Dermatol., B. H., 1924-25; Asst. Phys., to Out-Patients, W. U. Disp., 1911-14; Phys. to Out-Patients, W. U. Disp., 1916 to date; Dermatol. to Student Health Service, W. U., 1924 to date.

WIENER, MEYER

M.D., Mo. Med. Coll., 1896; I., St. L. City H., 1896-97; Mem. of Staff and Chief Eye Clin., Jewish Hosp.; Mem. of Staff of Bethesda H., St. Vincent's Asylum, and St. L. M. H.; Assoc. Prof. Clin. Ophthalmol., W. U. S. M.; Asst. Ophthalmol., B. H.

WIESE, HARRY W.

B.S., W. U., 1920; M.D., W. U. S. M., 1922; Asst. in Clin. Med., W. U. S. M.; Asst. Phys., B. H.; Phys., W. U. Disp.; Phys. in Charge, G. I. Disp.

* Resigned July 1, 1929.

BARNES HOSPITAL

WILHELMI, OTTO J.

B.S., St. L. U., 1915; M.D., St. L. U., 1917; Asst. in Clin. G. U. Surg., W. U. S. M.; Surg., W. U. Disp.; Visit. Surg., St. L. City H.; Asst. Surg., St. L. C. H. and B. H.

WILSON, LUCIUS ROY*

A.B., Univ. of Mo., 1918; M.D., W. U. S. M., 1920; O. and G. I., B. H., 1920-21; Asst. Supt., B. H., 1921-28.

WOODRUFF, FREDERICK ENO.

M.D., Mo. Med. Coll., 1897; A.B., W. U., 1923; Asst. Prof. of Clin. Ophthalmol., W. U. S. M.; Surg., W. U. Disp.; Asst. Ophthalmol., St. L. C. H. and B. H.; Mem. Staff, St. Luke's Hosp.; Ophthalmol., Memorial Home.

YOUNG, H. McCLURE

A.B., Yale Univ., 1899; M.D., W. U. S. M., 1908; Asst. Surg., B. H.; Visit. Surg., St. L. C. H.

ZINK, OSCAR CHAS.

M.D., W. U., 1921; Asst. Roentgenologist, B. H. and St. L. C. H.

* Resigned October 31, 1928.

Register of Former Members of the House Staff

ABBOTT, FREDERICK BOOK

M.D., W. U. S. M., 1914; I., W. U. Hosp., 1914-15; Asst. Res. Surg., B. H., 1916-17; Asst. in Clin. Surg., W. U. S. M., 1917-19; Asst. Surg. to W. U. Disp. (Deceased).

ABEL, OLIVER

See Barnes Hospital Staff Page.

ABRAMS, SAMUEL FRANK

B.S., W. U., 1915; M.D., W. U. S. M., 1917; Asst. Res. Ob. and Gyn., B. H., 1917-18; Asst. Gyn. and Ob., W. U. Disp., 1919-23; Asst. Gyn., Jewish Disp., 1919-21; Asst., Jewish Disp., 1927; Asst. Ob., St. Louis City H., 1921-23; Visit. Ob., St. L. M. H., 1920-27; Instr. Gyn. and Ob., St. Louis U., 1925; Chief of Gyn. Clin., St. Mary's Disp., 1925; Amer. Coll. Surg., 1927.

ADELSBERGER, BRANSFORD L.

M.D., W. U. S. M., 1920; S. I., B. H., 1920-21; Asst. Res. Surg., B. H., 1921-22; Res. Surg., 1922-23.

ALLEN, CHARLES CURTIS

M.D., W. U. S. M., 1915; Asst. Res. Ob. and Gyn., B. H., 1916-17.

ALLEN, DUFF S.

See Barnes Hospital Staff Page.

ALSUP, FREDERICK F.

M.D., W. U. S. M., 1915; S. I., B. H., July, 1915-Jan., 1916; I., Queen's Hosp., Honolulu, 1916-17; 1st Lieut., M. R. C., 1917-18. Grad. Army Med. Sch., 1918; Capt. Med. Corps, Base Hosp., Camp Zachary, Louisville, Ky., 1918-19; Evacuation Hosp., A. E. F., Siberia, Feb., 1919-Sept., 1919; Private Prac. (Surg.), Honolulu.

ANDERSON, HANS

M.D., W. U. S. M., 1919; Res. Path., B. H., 1918-19.

ANDREWS, RALEIGH K.

B.S., Univ. of Nebr., 1915; M.D., W. U. S. M., 1916; I., St. Louis C. H., 1916-19; Asst. Res. Phys., B. H., 1917-18; Asst. Res. Phys., B. H., 1917-19; Asst. in Med., W. U. S. M.; Phys. to W. U. Disp.

ARMSTRONG, CHARLEY JOE

M.D., Harv. U.; S. I., B. H., 1922-23; Asst. Surg., B. H., 1923-24.

ARZT, FRANZ

See Barnes Hospital Staff Page.

BARNETTE, THEODORE SWIFT

B.S., Univ. of Mich., 1916; M.D., Univ. of Mich. Med. Sch., 1918; M. I., B. H., 1918-19; Asst. Res. Surg. (Neurol. Service), B. H., 1919-20.

BARRETTE, LOUIS C.

M.D., W. U. S. M., 1925; S. I., B. H., 1925-26.

BARNES HOSPITAL

BATES, GEORGE CAMPBELL

M.D., Harv. U., 1921; S. I., B. H., 1921-22.

BATTS, J. McC.

M. D., W. U., 1923; S. I., B. H., 1923-24; I., Emergency Hosp., Wash., D. C., 1924-25; Res. Phys. and Surg., Casualty Hosp., Wash., D. C., June, 1925-Oct., 1925. Phys. and Surg. to Kennecott Copper Corp.; Latouche, Alaska, Nov., 1925-June, 1928.

BECHTOLD, EDMOND

M.D., W. U. S. M., 1915; S. I., B. H., 1915-16; Asst. Res. Surg., B. H., 1916-18

BECKE, WILLIAM G.

See Barnes Hospital Staff Page.

BECKMAN, J. WILLIAM

M.D., W. U. S. M., 1924; M. I., B. H., 1924-25.

BELCHER, GEORGE WILSON

M.D., W. U. S. M., 1919; S. I., B. H., 1919-20; Asst. Res. Surg., 1920-21. (Deceased.)

BERG, DAVID

M.D., W. U. S. M., 1923; M. and Ob. I., B. H., 1923-24; S. I., B. H., 1924-25; Gen. Prac., Helena, Mont.

BERSCHE, BERTRAM LOUIS

M.D., W. U. S. M., 1922; S. I., B. H., 1922-23.

BIERMAN, MAX JOHN

M.D., W. U. S. M., 1923; S. I., B. H., 1923-24.

BOND, HARRY WILLIAM

B.S., Wisc. U., 1917; M.D., W. U. S. M., 1919; S. I., B. H., 1919-20; Mem. Staff, Ohio Valley Gen. Hosp., Wheeling, W. Va.; Treas., Ohio Co. Med. Soc., 1921-22; Sec., Ohio Co. Med. Soc., 1922-23, 1926-27; Mem. Board of Censors, Ohio Co. Med. Soc., 1925-26.

BOND, RUSSELL C.

B.S., Wisc. U., 1923; M.D., W. U. S. M., 1925; M. I., B. H., 1925-26.

BOULWARE, THOMAS M.

M.D., W. U. S. M., 1926; Ob. I., B. H., 1926-27.

BRADFORD, OSCAR F.

M.D., W. U. S. M., 1915; Res. Path., B. H., 1915-16.

BREDECK, JOSEPH FRANCIS

A.B., Christian Bros. Coll., 1910; M.D., W. U. S. M., 1914; M. I., B. H., 1914-15; P. G. Work, Saranac Lake, 1916; Res. Phys. and Asst. in Lab., Henry Phipp Inst., 1916-17; Res. Phys., B. H., 1917; Lieut., M. C., U. S. A., 1917-19; T. B. Controller and Asst. Hosp. Commissioner, St. L. City Hosp., 1920-25; Consultant Diseases of Chest, U. S. P. H. S., and U. S. Veterans Bureau, 1920-23; Instr. in Med., St. L. U., 1924; Asst. Phys., St. Mary's Hosp., 1924; Asst. Phys., St. L. City Hosp., 1923; P. G. Work, Hamburg, Berlin and Vienna, 1925-26.

BRIGGS, CLIFTON H.

M.D., W. U. S. M., 1920; S. I., B. H., 1920-21; Mem. Surg. Staff, Wichita Hosp., Wichita, Kans., 1923; Pres. of Staff, Wichita Hosp., Wichita, Kans.

REGISTER OF FORMER MEMBERS OF THE HOUSE STAFF

BREWER, J. S.

B.S., Univ. of N. C., 1921; M.D., W. U. S. M., 1924; Ob. I., B. H., 1924-25.

BROMBERG, LEON

See Barnes Hospital Staff Page.

BROOKS, BARNEY

B.S., U. of Tex., 1905; M.D., J. H. M. S., 1911; Res. H. O., J. H. H., 1911-12; Asst. Instr. and Assoc. in Surg., W. U. S. M., 1912-19; Res. Surg., B. H., 1914-16; Asst. Surg., Jewish Hosp. and St. Louis C. H.; Assoc. in Clin. Surg., W. U. S. M.; Asst. Surg. to B. H., and Surg., W. U. Disp.; Prof. Surg., Vanderbilt U., 1925.

BROWN, JAMES BARRETT

See Barnes Hospital Staff Page.

BROWN, T. K.

See Barnes Hospital Staff Page.

BROWN, WILBUR KENNETH

A.B., Shurtleff Coll., 1913; M.D., W. U. S. M., 1917; M. I., B. H., 1917-18.

BUCHANAN, J. C.

B.S., Univ. of South Carolina, 1922; M.D., W. U. S. M., 1927; I., Surg., July, 1927-Aug., 1927.

BUNDY, HARRY EUGENE

M.D., W. U. S. M., 1916; M. I., B. H., 1916-17.

CADY, LEE D.

See Barnes Hospital Staff Page.

CAFFEY, JOHN P.

A.B., Univ. of Mich., 1916; M.D., Univ. of Mich., 1919; M. I., B. H., July, 1919; Resigned March 6, 1928.

CARR, ARCHIE D.

See Barnes Hospital Staff Page.

CHRISTENSEN, GROVER E.

B.S., U. of Utah, 1919; M.D., W. U. S. M., 1921; Ob. I., 1921-22.

COLE, HERMON H.

B.S., Univ. of Mich., 1915; M.D., U. of Mich., 1917; M. I., B. H., July, 1917-Oct., 1917; 1st Lieut., M. C., U. S. A., Buse Hosp., 1917; Asst. to Chief Med. Service, Oct., 1916-18; Asst. Chief, Med. Service, Buse Hosp., 115 A. E. F., 1916-19; Capt., M. C., District Surg., Alsace, 1919; Vice-Pres. and Assoc. Med. Director, Palmer T. B. Sanat., Springfield, Ill.; Med. Director, Springfield T. B. Clin.; Attending Specialist, T. B. Sec., U. S. Vet. Bur.; Mem. Staff, Springfield (Ill.) Hosp.

COLE, WARREN H.

See Barnes Hospital Staff Page.

COLGATE, C. E.

A.B., Hanover Coll., 1916; M.C., W. U. S. M., 1924; M. I., B. H., 1924-25; I., St. L. C. H., 1925-26.

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COPHER, GLOVER H.

See Barnes Hospital Staff Page.

CORAY, J. B.

M.D., W. U. S. M., 1923; Asst. Res. Phys., B. H., 1924-25.

CORKHILL, HAROLD K.

M.B., Ch.B., Univ. of Edinburgh, 1922; Asst. Res. Surg., B. H., 1923-24.

CORSON, HAROLD F.

M.D., W. U. S. M., 1923; M. I., B. H., 1923-24; Asst. Res. Phys., 1924-25.

CRESSWELL, GEORGE FRANCIS

A.B., Univ. of Mo., 1916; M.D., W. U. S. M., 1918; O. and G. I., B. H., July, 1918-Oct., 1918; Asst. Res. O. and G., B. H., Oct., 1918-Feb. 16, 1918.

CROSSEN, ROBERT J.

See Barnes Hospital Staff Page.

DALLWIG, EUGENE LEON

M.D., W. U. S. M., 1916; O. and G. I., B. H., 1916-17; I., Augustana Hosp., 1917-18; Military Service, 1918-19; Instr. in Ob. and Gyn., Marquette Med. Sch., 1919-23; Asst. Surg., Soldiers' Home, 1923-26; Pres., North Side Pension Board, Milwaukee, 1928.

DARROW, FRANK I.

M.D., J. H. M. S., 1916; M. I., B. H., 1916-17; Res. Path., B. H., 1917; Asst. Med. Chief, Camp Pike H., 1918; Staff Base H. No. 120, 1919; Mem. Advis. Board, St. John's H., Fargo, N. D., 1920; Internist to N. D. Clin., Fargo, N. D.

DAVIS, MYRON W.

See Barnes Hospital Staff Page.

DAY, ANTHONY B.

See Barnes Hospital Staff Page.

DEAKIN, VINCIL ROGERS

M.D., W. U. S. M., 1922; Res. Path., B. H., 1922-23; S. I., B. H., 1923-24; Asst. Res. Surg., 1924-25.

DEAN, JAMES R.

M.D., W. U. S. M., 1918; M. I., B. H., 1918; Asst. Res. Phys., B. H., Nov., 1918-May, 1919; Asst. Res., St. L. City H., May, 1928; Mem. Exec. Staff (Surg.), St. Vincent's H., Los Angeles; Gyn.-in-Chief, Santa Rita Clin.; Asst. Police Surg., Los Angeles.

DIECKMAN, WILLIAM J.

See Barnes Hospital Staff Page.

DIXON, ELLIOTT KNIGHT

M.D., W. U. S. M., 1915; S. I., B. H., 1915-16; Asst. Res. Surg., B. H., 1916; Asst. Surg., W. U. Disp.; Mem. Surg. Staff, St. Luke's H.; Amer. Coll. of Surg.

REGISTER OF FORMER MEMBERS OF THE HOUSE STAFF

DONAHUE, JAMES J.

B.S., W. U., 1923; M.D., W. U. S. M., 1925; M. I., B. H., July, 1925-Jan., 1927; I., St. L. C. H., 1927-28.

DORRIS, RICHARD P.

A.B., U. of Mo., 1915; M.D., W. U. S. M., 1917; S. I., B. H., 1917-18; Pract., Jefferson City, Mo.

DRABKIN, CHARLES

See Barnes Hospital Staff Page.

DRAISH, E. C.

A.B., Phillips Univ., 1923; M.D., W. U. S. M., 1927; Int. Med., July, 1927-Aug., 1927.

DRENNAN, GEORGE L.

A.B., Ill. Coll., 1921; M.D., W. U. S. M., 1925; Res. Path., B. H., 1925-26.

EBERBACH, CARL WALTER

M.D., U. of Mich., 1926; M. I., B. H., 1916-17; Asst. Res. Phys., B. H., 1917; M. R. C., Base H. No. 21, 1917-19; Surg. Staff, U. of Mich., 1919.

ELMAN, ROBERT

See Barnes Hospital Staff Page.

ELMENDORF, JOHN EDWARD

A.B., Rutgers Coll., 1914; M.D., J. H. M. S., 1918; I., Med. Serv., J. H. H., 1919-19; Asst. Res. Phys., B. H., 1919-20.

EVANS, JAMES A.

M.D., Harv., 1920; M. I., B. H., 1920-21; I., St. Frances Hosp. (General Serv.), La Crosse, Wis., 1921-22; Asst. in Clin. Lab., Hosp. Vanquairand, Paris; Amer. Field Service Fellowship in Med. with title Asst. Etranger in Clin. Hotel Dieu, Paris; Asst. in Radiology in G. I. Hosp., St. Antoine, Paris, 1922-23; Asst. Res. in Med., Peter Bent Brigham H., 1923-24; Voluntary Grad. Asst. in Roent., Peter Bent Brigham H., July, 1923-Sept., 1925; Mem. St. Frances H., LaCrosse, Wis.; Visit. Phys. to Oak Forest San., Onalaska, Wis.; Asst. Preceptor in Med., U. of Wis.; Gen. Pract. with Evans Clin., LaCrosse, Wis.

EVANS, JOSEPH P.

B.S., U. of Miss., 1918; M.D., W. U. S. M., 1921; Ob. I., 1921-22.

FACULTAD, JOSE M.

M.D., W. U. S. M., 1923; M. I., B. H., 1923-24.

FAULKNER, WILLIAM B., JR.

M.D., Univ. of Cal., 1923; S. I., B. H., Dec., 1924-July, 1925; Asst. Res. Surg., Oct., 1925-July, 1926.

FEEEMSTER, LUCIEN

B.S., U. of Miss., 1922; M.D., W. U. S. M., 1924; Res. Path., B. H., July, 1924-March, 1925.

FLEMING, SAMUEL

M.D., W. U. S. M., 1922; Ob. I., 1923-24.

BARNES HOSPITAL

FLEXNER, MORRIS

M.D., I. H., 1914; Asst. Res. Phys., B. H., July, 1915-Jan., 1916; U. S. Army, 1917-19; Assoc. Clin. Prof. Med., U. of Louisville; Priv. Pract., Louisville, Ky.

FOX, BEN

B.S., W. U., 1923; M.D., W. U. S. M., 1925; I. Ob., 1925-26.

FOWLER, JAMES G.

B.S., U. of Nebr., 1921; M.D., U. of Nebr., 1922; I. Ob., 1922-23.

FRANCIS, BYRON F.

B.S., W. U., 1922; M.D., W. U. S. M., 1926; M. I., B. H., July, 1926-Jan., 1927.

FREEMAN, MERRIN

M. I., B. H., 1918.

FREIMUTH, L. E.

See Barnes Hospital Staff Page.

FUSON, L. HARRISON

M.D., W. U. S. M., 1915; M. I., B. H., 1915-16.

GALE, J. W.

A.B., U. of Mo., 1921; A.M., U. of Mo., 1922; M.D., W. U. S. M., 1924; S. I., B. H., 1924-25; Asst. Res. Surg., B. H., 1925-26; Res. Surg., B. H., 1926-27.

GARRISON, GEORGE BLAINE

A.B., Univ. of Kans., 1915; M.D., W. U. S. M., 1917; I., Colon Hosp., Canal Zone, 1917-18; Asst. Supt., B. H., 1919-20; Asst. in Surg., W. U. S. M.; Asst. Res. Surg., B. H., 1920-21.

GAY, GEORGE W.

M.D., W. U. S. M., 1926; S. I., B. H., 1926-27.

GAY, LEE PETIT

See Barnes Hospital Staff Page.

GIBBS, FLOYD F.

B.S., St. L. U., 1923; M.D., St. L. U., 1924; M. I., B. H., 1924-25.

GILBERT, ALLAN ARTHUR

M.D., W. U. S. M., 1914; M. I., B. H., 1914-15; Asst. Res. Phys., B. H., 1915-16.

GILLES, CLIFFORD LAWRENCE

A.B., Univ. of Kans., 1917; M.D., W. U. S. M., 1919; M. I., B. H., 1919-20; Asst. in Med., U. of Kans.; Mem. of Staff, St. Mary's Hosp. and Gen. Hosp.; Exec. Secy., Kansas City T. B. Soc.; Mem. Staff, Mo. State T. B. San.

GILLILAND, CHARLES EDWARD

See Barnes Hospital Staff Page.

GLAZER, JEROME

A.B., Cornell U., 1919; M.D., 1923; Asst. Res. Phys., B. H., 1925-26.

GNAGI, WILLIAM B., JR.

B.S., U. of Wis., 1922; M.D., W. U. S. M., 1924; S. I., B. H., 1924-26; Asst. Res. Surg., B. H., 1926-27; Practice, Monroe, Wis.

REGISTER OF FORMER MEMBERS OF THE HOUSE STAFF

GOLDMAN, ALFRED

See Barnes Hospital Staff Page.

GREER, E. D.

M.D., W. U. S. M., 1926; Ob. I., 1926-27.

GRUBER, CHARLES M.

A.B., U. of Kans., 1911, and A.M., 1912; Ph.D., Harv., 1914; M.D., W. U. S. M., 1921; Teaching Fellow in Physiol., U. of Kans., 1911-12; Teaching Fellow in Physiol., Harv., 1912-14; Instr. in Physiol., U. of Pa., 1914-15; Prof. of Physiol. and Pharmacology, Albany Med. Coll., 1915-17, and U. of Colo., 1917-20; Assoc. in Physiol., W. U. S. M., 1920-21; Asst. in Pharmacology, W. U. S. M., 1921; M. I., B. H., 1925; Phys. to W. U. Disp., 1924; Mem. of Amer. Physiol. Soc., Soc. of Pharmacology and Experimental Therapeutics; Soc. of Exper. Biology and Mem. Fellow, Amer. Med. Assoc.

HAGEN, H. H.

Asst. Res. Surg., B. H., 1915-16.

HALEY, ROY ROBERT

M.D., W. U. S. M., 1916; S. I., B. H., 1916-17.

HAMM, WILLIAM C.

B.S., U. of Ga., 1921; M.D., W. U. S. M., 1925; S. I., B. H., 1925; Asst. Res. Surg., B. H., 1926-27.

HARTMAN, EMIL

M.D., W. U. S. M., 1925; S. I., B. H., 1925-26.

HARVEY, GEORGE G.

A.B., Univ. of Mo., 1916; A.M., Univ. of Mo., 1917; M.D., J. H. M. S., 1919; O. and G. I., B. H., 1919-20.

HEALEY, ROSCOE H.

M.D., W. U. S. M., 1918; O. and G. I., B. H., July to Dec., 1918. (Deceased).

HEIDEMAN, MILO L.

See Barnes Hospital Staff Page.

HERRMANN, GEORGE R.

B.S., Univ. of Mich., 1916; M.S., Univ. of Mich., 1918; M.D., Univ. of Mich., 1918; Asst. Res. Phys., B. H., 1919-20; Res. Phys., B. H., 1920-21.

HIEBERT, ABRAHAM E.

B.S., U. of Kans.; M.D., W. U. S. M., 1925; S. I., B. H., 1925-26.

HINES, PAUL

M.D., W. U. S. M., 1926; Ob. I., 1926-27.

HITCHCOCK, CHARLES H.

S.B., Amherst, 1917; M.D., J. H., 1921; Asst. Res. Phys., B. H., 1922-24.

HODGES, FRED JENNER

B.S., Univ. of Wis., 1917; M.D., W. U. S. M., 1919; Res. Path., B. H., 1919-20.

HOFSSOMMER, ARMIN C.

M.D., W. U. S. M., 1922; Ob. I., B. H., 1922-23.

BARNES HOSPITAL

HOOVER, WALTER B.

See Barnes Hospital Staff Page.

HOUSE, SAMUEL JOHN

S.B., U. of Chicago, 1918; M.D., Rush. Med. Coll., 1920; S. I., B. H., 1920-21; Asst. Res. Phys., B. H., 1921-22.

HOWARD, FRANCIS CLERMONT

See Barnes Hospital Staff Page.

JOANIDES, MINAS

M.D., W. U. S. M., 1921; S. I., B. H., 1921-22.

JONES, ANDREW B.

See Barnes Hospital Staff Page.

JOSTES, FRED

See Barnes Hospital Staff Page.

JUDY, JOHN ABRAHAM

M.D., W. U. S. M., 1915; Asst. Res. O. and G., B. H., 1916-17.

KAHN, SAMUEL

M.D., W. U. S. M., 1921; M. I., B. H., 1921-22; Asst. Res. Phys., B. H., 1922-23.

KEITH, ROY

Ob. I., July, 1925-June, 1926.

KENNEDY, PATRICK H.

B.S., W. U., 1918; M.D., W. U. S. M., 1920; O. and G. I., B. H., 1920-21.

KILIAN, LEO JULIUS

M.D., W. U. S. M., 1913; Asst. Res. Phys., B. H., 1915; I., St. L. C. H., 1913-14; Med. Director, Jewish San., Anglum, Mo., 1916-17; U. S. Army, 1918-19.

KLEMMER, ROLAND M.

See Barnes Hospital Staff Page.

KOUNTZ, WILLIAM

See Barnes Hospital Staff Page.

KREBS, OTTO ST. CLAIR

See Barnes Hospital Staff Page.

KRUM, JOHN FREDERICK

M.D., W. U. S. M., 1922; S. I., B. H., 1922-23.

KUDNER, DONALD F.

M.D., U. of Mich., 1920; M. I., B. H., 1920-21.

LASERSOHN, MARTIN

B.S., W. U., 1920; M.D., W. U. S. M., 1922; M. I., B. H., 1922-23.

LEHMAN, EDWIN PARTRIDGE

See Barnes Hospital Staff Page.

LEUSCHNER, C. E.

B.S., W. U., 1920; M.D., W. U. S. M., 1924; S. I., B. H., 1924-25; Res. Surg., B. H., 1925-26.

REGISTER OF FORMER MEMBERS OF THE HOUSE STAFF

LIGGETT, HIRAM S.

See Barnes Hospital Staff Page.

LILJEDAHL, ELMER NATHANIEL

A.B., U. of Iowa, 1915; M.D., W. U. S. M., 1918; M. I., B. H., July, 1918-Nov., 1918; Asst. Res. Phys., B. H., Nov., 1918-19.

LITTELL, GEORGE S.

B.S., Tarkio Coll., 1922; M.D., W. U. S. M., 1926; M. I., July, 1926-Jan., 1928.

LOH, VEN CHOW

M.D., Harv., 1920; S. I., B. H., 1920-21.

LOHR, OLIVER W.

M.D., W. U. S. M., 1921; M. I., B. H., 1921-22; Clin. Path. to Central Lab., Saginaw, Mich.

LUEKING, HENRY FREMONT

B.S., W. U., 1916; M.D., W. U. S. M., 1918; S. I., B. H., July, 1919-Mar., 1920; Capt. Med. Corps., U. S. A., Fort Totten, N. Y.

LUTEN, DREW W.

See Barnes Hospital Staff Page.

MAHONEY, FRANCIS JOSEPH

M.D., St. L. U., 1918; S. I., B. H., 1918-19.

MALONE, JULIAN Y.

A.B., Ripon Coll.; M. S., U. of Wis.; M.D., W. U. S. M., 1921; S. I., B. H., 1921-22.

MARTIN, KIRBY

M.D., W. U. S. M., 1922; M. I., B. H., 1922-23.

MATTHAEI, CARL H.

A.B., U. of Iowa, 1922; M.D., W. U. S. M., 1925; S. I., B. H., 1925-26.

METTEL, HOWARD B.

B.S., U. of Pa.; M.D., W. U. S. M., 1921; M. I., B. H., 1921-22.

METZ, ROY D.

B.S., U. of W. Va., 1922; M.D., W. U. S. M., 1925; I., Sydenham Hosp., Baltimore, June-Dec., 1925; M. I., B. H., Jan., 1926-July, 1927; Asst. Dept. of Anatomy, U. of W. Va., 1922-23; Asst. X-Ray, W. U. S. M., July, 1927-Sept., 1927.

MEYER, JEROME

M.D., J. H. M. S., 1914; M. I., B. H., 1914-15.

MICHAEL, WILLIAM A.

M.D., W. U. S. M., 1921; Ob. I., 1921-22; Res. Ob. and Gyn., 1922-23.

MITCHEL, WILLIAM FRANCIS

M.D., Syracuse Univ. Coll. of Med., 1916; S. I., B. H., 1916-17; Staff Evacuation Hosp. No. 13, in France and Luxemburg, 1918; Mem. of Med. Staff, Cruse Irving Hosp., Syracuse, N. Y.; Med. Director of Athletics, Syracuse High Schools.

MITCHELL, W. LELAND

M.D., W. U. S. M., 1918; S. I., B. H., 1919-20.

BARNES HOSPITAL

MOORE, ROBERT M.

M.D., W. U. S. M., 1926; S. I., B. H., 1926-27.

MOSKOWITZ, W. J.

B.S., U. of Rochester, 1918; M.D., J. H. S. M., 1922; S. I., B. H., 1922-23.

McBEE, GILBERT L.

M.D., U. of Oregon, 1926; S. I., B. H., 1926-27.

McCAUGHAN, JOHN M.

B.S., W. U., 1924; M.D., W. U. S. M., 1926; S. I., B. H., 1926-27.

McCULLOCH, HUGH

A.B., Univ. of Ark., 1908; M.D., J. H. M. S., 1912; Res. H. O., W. U. Hosp., 1912-13; Res. Phys., W. U. and B. H., 1912-15; Asst. and Instr. in Med., 1913-15; Instr. in Ped., 1915-19; W. U. S. M.; Asst. Prof. in Clin. Ped., W. U. S. M.; Asst. Ped., St. L. C. H.; Phys. to W. U. Disp.

McINDOE, FRANK

B.S., Wash. and Jeff., 1921; M.D., W. U. S. M., 1926; Int. Surg., July 1, 1927-Aug. 15, 1927.

McNALLEY, FRANK P.

See Barnes Hospital Staff Page.

NEMOURS, PAUL R.

B.S., W. U., 1923; M.D., W. U. S. M., 1925; I., Oto-Laryngol., B. H., Dec., 1926-July, 1927.

NESBIT, WELLWOOD MACK

A.B., Univ. of Iowa, 1913; M.D., Rush Med. Sch., 1917; M. I., B. H., Feb., 1918-June, 1918; Assoc. Prof. Oto-Laryngol., Wis. U. Med. Sch.; Laryngol. to Wis. Gen. Hosp., St. Mary's Hosp. and Madison Gen. Hosp., Madison, Wis.

NESCHE, GEO. E.

M.D., W. U. S. M., 1925; Res. Med., 1927-28; Asst. Res. Med., Jan. 1, 1927-July 1, 1927.

NORTON, RICHARD C.

A.B., Yale U., 1922; M.D., Yale U., 1925; Asst. Res. Phys., B. H., 1927-28.

NORTON, WILLIAM H.

A.B., U. of Mo., 1919; A.M., 1921; M.D., W. U. S. M., 1923; S. I., B. H., 1922-23; Asst. in Surg. to A. J. Ochsner and N. M. Perry, Augustana Hosp., Chicago, 1923-24; Post Grad. Study in Surg., European Clinics, 1924-25; Prac. Surg. in St. Louis; Junior Candidate for Fellowship in Amer. Coll. of Surg. since 1926.

NOURSE, JOHN DARLINGTON

M.D., West. Reserve Univ. Sch. of Med., 1916; M. I., B. H., 1916; 1st Lieut. and Capt. M. C., U. S. A., 1917-22; Res. Ped. and Contagious Disease, Cleveland City Hosp., 1922-23; Asst. Res. and Res. Ped. Lake-side Hosp., 1923-25; Fellow in Ped., Babies and Children's Hosp. and Western Reserve Sch. of Med., 1925-27; Visitant Babies and Children's Hosp. and Babies' Disp.; Clin. Instr. in Ped., Western Reserve Med. Sch.; Med. Dir. Child Bureau, Cleveland, Ohio.

REGISTER OF FORMER MEMBERS OF THE HOUSE STAFF

OCHSNER, E. W. A.

A.B., U. of S. Dak., 1918; M.D., W. U. S. M., 1920; M. I., B. H., June, 1920-Jan., 1921; Asst. Res. Phys., B. H., Jan., 1921-July, 1921; Prof. Surg., Tulane Univ., New Orleans, La.

O'DONNELL, HENRY ST. CLAIR

A.B., Univ. of Kans., 1915; M.D., W. U. S. M., 1917; M. I., B. H., 1917-18.

O'KEEFE, CHARLES D.

See Barnes Hospital Staff Page.

OLMSTEAD, WM. H.

See Barnes Hospital Staff Page.

OLCH, I. Y.

See Barnes Hospital Staff Page.

PADDOCK, RICHARD

See Barnes Hospital Staff Page.

PADGETT, EARL C.

M.D., W. U. S. M., 1918; I., and Asst. Res. Surg., B. H., 1919-22; Clin. Asst. in Surg., B. H., 1922-24; Surg. at Hewetson Hosp., Las Vegas, 1925; Instr. in Surg. and Anatomy, U. of Kan., and Prac. Surg., Kansas City, Mo.

PEACOCK, KENNETH C.

A.B., Univ. of Wis., 1915; M.D., W. U. S. M., 1917; M. I., B. H., 1917-18.

PLUMMER, N. H.

A.B., Univ. of Cal., 1922; M.D., Cornell U., 1926; Asst. Res. Med., Jan. 1, 1927-July 1, 1928.

POLK, GEORGE M.

A.B., Coll. of Emporia, 1913; M.D., W. U. S. M., 1918; M. I., B. H., 1919-20; I., Mercy Children's Hosp., Kansas City, Mo., 1920-21.

POST, WINIFRED L.

A.B., U. of Mo., 1920; M.D., W. U. S. M., 1922; S. I., B. H., 1922-23; I., Oto-Laryngol., 1923-24.

PRIEST, WALTER SCOTT, JR.

A.B., Univ. of Kans., 1917; M.D., W. U. S. M., 1920; S. I., B. H., 1920-21.

PROBERT, WILLIAM H.

A.B., Westminster Coll., 1917; M.D., W. U. S. M., 1921; S. I., B. H., 1921-22.

RAY, LEIGHTON WEBB

B.S., Univ. of Miss., 1920; M.S., Univ. of Chicago, 1922; M.D., Harv., 1924; S. I., B. H., 1924-25.

REDINGTON, JAMES CRESCENT

M.D., St. L. U. Med. Sch., 1915; I., Jewish Hosp., St. Louis, 1915-16; Asst. Res. Phys., B. H., 1916-17; Res. Phys., Jewish Hosp., 1917; U. S. Army Evac. Hosp. No. 12, 1917-19; Prac., Galesburg, Ill.

BARNES HOSPITAL

REDFERN, THOMAS CRAIG

B.S., Clemson Coll., S. C., 1912; M.D., Long Island Coll. Hosp., 1916; Res. Phys., B. H., 1919-20; Supt. City Mem. Hosp., Winston-Salem, N. C., 1920-24.

RIECKER, HERMAN H.

A.B., Marietta Coll., 1917; M.D., J. H. U., 1923; Med. House Officer, N. Y. Hosp., 1923-25; Res. Phys., B. H., 1925-26; Asst. in W. U. S. M., 1925-26; Instr. in Int. Med., U. of Mich., 1926; Univ. Hosp., Ann Arbor, Mich.

RICE, FLOYD C.

O. and G. I., B. H., 1916-17; Asst. Res. O. and G., 1917.

ROBLEE, MELVIN A.

See Barnes Hospital Staff Page.

ROSE, DALTON KEATS

See Barnes Hospital Staff Page.

RUDOLPH, ROYAL WILLIAM

B.S., Univ. of S. Dak., 1918; M.D., W. U. S. M., 1920; M. I., B. H., 1920-21.

SAGE, EARL CUDDINGTON

M.D., W. U. S. M., 1916; O. and G. I., B. H., 1916-17; Asst. Res. O. and G., B. H., 1917-18; Instr. in Ob., Univ. of Nebr. Sch. of Med.; Secy.-Treas. of Omaha Douglas Co. Med. Soc.; Mem. Amer. Coll. of Surg.

SCHANCKE, A. N.

B.S., U. of S. Dak., 1923; M.D., W. U. S. M., 1925; M. I., B. H., Jan., 1926-July, 1927.

SCHMIDT, ERWIN RUDOLPH

A.B., U. of Wis., 1913; M.D., W. U. S. M., 1916; M. I., B. H., 1916-17; I., Augustana Hosp., Chicago, 1917; 1st Lieut., M. R. C., 1917-18; Capt. M. C., U. S. A., 1918-19; Commanding Officer, U. S. A. Base Hosp. No. 11, Jan., 1919-May, 1919; I., Augustana Hosp., 1919; Chief Asst., 1920-21; Exchange Asst., Maria Hosp., Stockholm, Sweden, 1921-22; Exchange Asst. Stadtische Krankenhaus Frankfurt Am Main, Germany, 1922-23; Asst. Attending Surg., Augustana Hosp., 1922-25; Junior Attending Surg., Augustana Hosp., 1922-25; Prof. Surg., U. of Wis., 1926; Mem. Amer. Coll. of Surg.; Surg., Wis. Gen. Hosp.; Mem. Western Surg. Assoc.; Ausserordentliche Mitglied Deutschen Gesellschaft für Chirurgie.

SCHOLER, HENRY CHARLES

Ph.D., U. of Kans., 1913; M.D., U. of Kans., 1928; O. I., B. H., 1921-22.

SCHRADER, EUGENE LEE

A.B., U. of Mo., 1920; M.D., W. U. S. M., 1922; M. I., B. H., 1922-23.

SCHUSSLER, HERMANN, JR.

B.S., U. of Cal., 1912; M.D., Harv. M. S., 1918; I., Rotating Serv., San Francisco Hosp.; Senior I., Med. Lane Hosp., San Francisco; Asst. Res. Phys., B. H., Aug. 1, 1920; Resigned, Nov. 6, 1920.

SENTURIA, BEN D.

B.S., W. U., 1921; M. D., W. U. S. M., 1923; M. I., B. H., 1923-24.

REGISTER OF FORMER MEMBERS OF THE HOUSE STAFF

SEVIN, OMAR RICHARD

M.D., W. U. S. M., 1913; S. I., W. U. Hosp. and B. H., 1913-15; Asst. in Surg., W. U. S. M., 1915-16.

SHERBURNE, CLIFFORD

B.S., Denison Univ.; M.D., W. U. S. M., 1921; S. I., B. H., 1921-22; Asst. Res. Phys., B. H., 1922-23.

SMITH, DAVID ENGLISH

M.D., W. U. S. M., 1914; Res. O. and G., B. H., 1915-16.

SMITH, DUDLEY R.

M.D., W. U. S. M., 1923; O. I., B. H., 1923-24; Res. Ob., July, 1924-Mar., 1925.

STAHR, ROLAND W.

M.D., W. U. S. M., 1924; M. I., B. H., 1923-25; I., St. L. C. H., 1925-26; Asst. Res., 1926-27; Prac. of Ped., Fort Dodge, Iowa.

STALEY, FOREST HENRY

A.B., Univ. of Wis., 1909; M.D., W. U. S. M., 1918; Instr. in Biology, Sterling (Ill.) Township High School, 1909-11; Instr. in Sci., Madison (Wis.) High Sch., 1911-14; Student Asst. in Anat., W. U. S. M., 1914-18; Asst. in Surg., W. U. S. M., Acting Res. Surg., B. H., 1919-20.

STANTON, JAMES MARK

M.D., Univ. of Mich., 1918; Res. Phys., State Psych. Hosp., Ann Arbor, Mich., 1918-19; Asst. Res. Neur., B. H., 1919-20; Junior Phys., Div. of Neuro-Psych., Harper Hosp., Detroit, 1920-27; Assoc. Psych., City of Detroit Receiving Hosp.; Phys. in Charge Out-Patients, Neuro-Psych. Div., City of Detroit Receiving Hosp.

STRANQUIST, E. A.

B.S., U. of Utah, 1916; M.D., W. U. S. M., 1918; S. I., B. H., 1918-19.

STRAUS, FRANCIS H.

M.D., H. M. S., 1919; S. I., B. H., 1919-20; Adm. Officer, Michael Reese Hosp., Chicago, 1920; Res. Surg., Presby. Hosp., Chicago; Fellow in Surg., Rush Med. Coll., 1920; Clin. Asst., Rush Med. Coll., 1923-24; Assoc. in Surg., 1924-25; Asst. Attend. Surg., Presby. Hosp., Chicago; Attend. Surg., Central Free Disp.; Instr. in Surg., Rush Med. Coll.; Assoc. Consult. Surg., Home for Crippled Children.

STRODE, JOSEPH EMMERSON

M.D., W. U. S. M., 1915; S. I., B. H., 1915-16.

STUBNER, R. W.

M.D., W. U. S. M., 1923; Res. Pat., July 1, 1923-June 25, 1924.

STUDE, WILLIAM CARL

A.B., J. H. U., 1920; M.D., 1924; O. I., July 1, 1924-May 18, 1925.

TAYLOR, RICHARD

A.B., Stanford, 1922; M.D., W. U. S. M., 1927; Res. Path., 1927-28.

TEDSTROM, MILO K.

M.D., W. U. S. M., 1924; M. I., B. H., July 1, 1924-Jan., 1926; Mem. Staff of McRae Hosp., Corinth, Miss.

TERRILL, E. H.

M.D., W. U. S. M., 1918; H. O., Bayview City Hosp., Baltimore, 1918-20; Asst. Res. Med., B. H., 1920-21.

BARNES HOSPITAL

THOMSON, CARROLL S.

M.D., Detroit Coll., 1916; Demonstrator of Ob., Univ. of Pittsburgh, 1917-18; Asst. Res. Ob., B. H., May, 1919-July, 1919; Mem. Ob. Out-Patient Staff, Grace Hosp., 1919-20; Res. Phys., Sea View Hosp., 1921; Phys., U. S. Veterans Bur., 1922-24; Asst. Phys., Fair Oaks San., Summit, N. J.

TORMEY, ALBERT R.

A.B., U. of Wis., 1914; M.D., W. U. S. M., 1917; M. I., B. H., 1917-18; Lieut. M. C., A. E. F., 1918-19; I., Augustana Hosp., Chicago, 1919-20; Attend. Surg., Madison Gen. and St. Mary's Hosp., Madison, Wis.; Clin. Assoc. in Surg., U. of Wis.

VERA, MIGUEL

Asst. Res. Med., 1916.

WALLER, RILEY M.

A.B., U. of Mo., 1918; M.D., W. U. S. M., 1920; S. I., B. H., 1921-22.

WALSH, L. S. NEWMAN

D.V.M., Kansas City Vet. Coll., 1912; M.D., St. L. U., 1916; Asst. in Compar. Path., W. U. S. M., 1916-17; Res. Path., B. H.; Asst. Path., St. L. C. H., 1918-19; Asst. in Path., W. U. S. M.; Asst. Path., B. H., 1921-26.

WEBB, PAUL K.

B.S., W. U., 1921, and M.D., 1923; S. I., B. H., 1923-24; Fellow Biol. Chem., W. U. S. M., 1924-25; Gen. Prac., Chem. Bldg., St. Louis, Mo.

WEIBRAUCH, H. V.

Asst. Res. Surg., B. H., 1916.

WENNERMAN, SAMUEL FRANKLIN

M.D., W. U. S. M., 1915; M. I., B. H., 1915-16; S. I., 1916-17.

WHITE, E. H.

A.B., Clark Univ.; S. M., U. of Chicago; M.D., Harvard; Ob. I., 1922-23.

WHITE, MARCUS D.

M.D., W. U. S. M., 1920; O. and G. I., B. H., July 1, 1920-Jan. 1, 1921; Surg., U. S. Gov. in Alaska, Jan., 1921-Jan., 1922; Res. Surg., St. Francis Hosp., San Francisco, Cal., Mar., 1922-Jan., 1923; Prac., Ontario, Canada.

WHITNEY, CAROLINE (Deceased)

A.B., U. of Colo., 1921; M.D., W. U. S. M., 1924; O. I., B. H., 1924-25; I., St. L. C. H., 1925-26.

WHITSELL, O. EARL

M.D., W. U. S. M., 1924; M. I., B. H., 1924-25; Post Grad. Work in Oto-Laryngol., W. U. Disp., 1925-26; Prac. of Eye, Ear, Nose and Throat, St. Joseph, Mo.

WILKENING, WILLIAM THEODORE

M.D., W. U. S. M., 1915; O. and G. I., B. H., 1915-17; Res. O. and G., B. H., 1917-18; Res. Surg., B. H., 1918-19.

WILSON, LUCIUS ROY

See Barnes Hospital Staff Page.

REGISTER OF FORMER MEMBERS OF THE HOUSE STAFF

WOODMANSEE, C. H.

M.D., W. U. S. M., 1925; M. I., B. H., Jan., 1926-June, 1927; Gen. Prac., Providence, R. I.

WOOLSEY, ROY T.

A.B., U. of Utah, 1914; M.D., W. U. S. M., 1916; Ob. I., B. H., 1921-22.

BARNES HOSPITAL

Washington University School of Nursing

1928 - 1928

Service Began	Superintendent of Nurses	Resigned
August 1, 1923	Claribel A. Wheeler, R.N.	
	Assistant Superintendent of Nurses	
August 15, 1926	Dorothy Rogers, A.B., M.A., R.N.	
	Theoretical Instructor	
August 16, 1927	Irene Elizabeth Swenson, B.A., R.N.	Aug. 1, 1929
September 1, 1929	Dorothy Worrell, B.S., R.N.	
	Practical Instructor	
February 1, 1929	Carrie A. Benham, A.B., R.N.	
	Assistant Practical Instructor	
September 15, 1926	Elsie L. Gray, R.N.	July 31, 1928
September 1, 1928	Dorothy Worrell, B.S., R.N.	September 1, 1929
September 1, 1929	Iris L. Langhart, R.N., B.S.	
	Surgical Supervisor	
February 1, 1926	Mary K. Ball, R.N.	July 31, 1928
August 1, 1928	Agnes L. Swenson, R.N.	
	Medical Supervisor	
September 1, 1926	Marie L. Luppold, R.N.	July 31, 1929
July 1, 1929	Annette Steen, R.N.	
	Night Supervisor	
March 10, 1927	Dorcas Drake, R.N.	

ST. LOUIS HOSPITAL SOCIAL SERVICE

	Director
February 1, 1923	Edith M. Baker

DEPARTMENT HEADS

	Dietitian
November 30, 1925	Eugenia Martin
	Apothecary
September 1, 1925	Lillie Sanders
	Accountant
October 1, 1918	Leonore E. Lelley
	Housekeeper
January 1, 1927	Edith S. Lindstrom
	Occupational Therapist
March 1, 1926	Elizabeth S. Donovan
	Chief Mechanic
December 1, 1914	Louis B. Plueck
	Storekeeper
May 1, 1920	John W. Harper
	Laundry Superintendent
January 29, 1925	James F. Dougherty
April 1, 1929	Robert F. Kelley
	Died, March 1, 1929

Committees

COMMITTEE FOR THE BARNES HOSPITAL 1928 and 1929

L. H. Burlingham, Chairman

David P. Barr, M.D.
Evarts A. Graham, M.D.
Leo Loeb, M.D.
McKim Marriott, M.D.

Otto H. Schwarz, M.D.
*Lucius R. Wilson, M.D., Secretary
Harvey J. Howard, M.D.
Lee W. Dean, M.D.

ADMINISTRATIVE BOARD OF THE SCHOOL OF NURSING 1928 and 1929

Philip A. Shaffer, Chairman

Louis H. Burlingham
George O. James
Robert J. Terry
Mrs. Louis LaBeaume
Estelle D. Claiborne

Otto H. Schwarz
McKim Marriott
David P. Barr
Mrs. George O. Carpenter
Claribel A. Wheeler

Isabel Baumhoff

CONSULTING COMMITTEE FOR THE DEPARTMENT OF SOCIAL SERVICE 1928 and 1929

Malvern B. Clopton, Chairman

Harry L. Alexander, M.D.
Louis H. Burlingham, M.D.
Otto H. Schwarz, M.D.
Jean V. Cooke, M.D.

John V. Lawrence, M.D.
Mrs. Daniel K. Catlin
Mrs. Robert A. Holland
Miss Louise Peel

Miss Edith Baker

* Resigned, November 1, 1928.

FORM OF BEQUEST

I give and bequeath unto the Trustees of Barnes Hospital (now located at Kingshighway and Euclid Avenue, St. Louis, Missouri) and to their successors in trust, the sum of Dollars as a permanent endowment fund,* the income of which shall be used by said Trustees for the support and maintenance of said Hospital.

(See note below)

NOTE.—If real estate is given, use the words, "I give, devise and bequeath," etc. If it is desired to make a gift for a special purpose, describe the purpose fully in place of the words, "as a permanent endowment," etc.

* See pp. 12 and 13.